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ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS



MEETING OF JUNE 9, 1903

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

PROCEEDINGS
AT THE MEETING OF THE
ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS

JUNE 9, 1903



ANNUAL ADDRESS BY
JOHN AUGUSTUS OCKERSON, C. E.

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

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NOTICE—

I hope that without waiting for formal asking, I may receive early information of all matters concerning alumni which will be of interest to the Association.

Changes of residence and occupation are especially desired.

W. L. PILLSBURY,

Secretary.

LEARNING AND LABOR

Address Delivered to the Alumni Association
of the University of Illinois, June 9, 1903

... BY ...

JOHN AUGUSTUS OCKERSON, '73

On the 10th day of March, 1871, when we met in the old chapel to celebrate the third anniversary of this great University, your speaker had the honor of opening the addresses with an oration entitled "Learning and Labor." The subject was fortunately brought down from the dawn of time to that date. The thirty-two years which have elapsed since that Anniversary day have been so fully occupied, that it was only through your invitation that the opportunity came to bring the subject down to the present time.

Fortunate it is that the period to be covered now, is comparatively short, as the supply of eloquence was well nigh exhausted in that effort of my sophomore year.

There were other orations and essays at that anniversary of long ago, with such titles as "Mutations of Character"; "How Nature Speaks"; and a poem "The Fairy's Lament," by Matthews.

There seemed to be no lack of time then to devote to the solution of the most intricate problems that beset mankind, although we were apparently busy with theorems and formulas and the more practical questions as to the best methods of gauging the appetites of the voracious members of our boarding clubs.

But the mere mention of such things brings forcibly to mind those eventful student days, and even at the risk of wearying those who belong to the classes of the eighties or nineties, the reminiscent mood begs for indulgence in the relation of some few incidents of

the time when this great University was struggling for a foothold, when its friends were few and its enemies many.

Then the first line of trans-continental railway was just being completed and the pony express and lumbering stage coach were still important means of communication.

Then, the prairies of Kansas were covered with countless herds of buffalo and the hostile Indian disputed the right of the engineer to push the rails of traffic into his hunting grounds.

Then, the telephone was unknown, the typewriter and the bicycle still slumbered in the mind of the inventor; the Pullman car had not come into use, the steel industry was yet in its infancy and long-span bridges and high office buildings were absent from the thoughts as well as the specifications of the engineer.

How great the change! How startling the realization that such wonderful results have been achieved in the brief span of a short life time!

Then, the University in all its departments, including library, museum, and dormitories, was embraced in one building of modest dimensions, set in a meadow void of embellishment.

Then, caps and gowns were unknown on these grounds or in these halls, and the Greek letter societies had not a single representative among the students.

Then, base-ball teams, foot-ball teams, and glee clubs had no place in the curriculum of the student, who burned the midnight oil poring over his studies in order that the daylight hours might be devoted to wage-earning work, rather than to play, of which we had by far too little.

Then, the dear girls were not with us although we were all eager for their admission. When the Board of Trustees were discussing the momentous question in a lower room, the room above was packed with eavesdroppers getting the news through the stove-pipe hole in the floor—and when the verdict was announced, all were so over-joyed that nothing could restrain the applause which came as a great surprise to the assembly below, which had up to this time, been unaware of the presence of this highly interested audience.

Then, the college government came into being and the first clash came with the heads of the faculty. A learned judge of an adjacent town was called in to decide the case and victory perched upon the banner of the students.

Then, we were obliged to devote certain hours every week to manual labor. We dug potatoes in the fields, were paid in potatoes and cooked and ate them by the peck in our rooms in the old University Building.

Then, we shouldered our muskets and marched away to the defense of Chicago, when in addition to the horrors of the great conflagration, her people were threatened with further destruction from thieves and criminals eager for plunder.

Then, Leflar was wont to strike, what he assumed to be a Shakespearian attitude, while the corridors resounded with his interpretation of the complaints of the Melancholy Dane, until Prof. Stewart, in slippered feet, pounced upon him, and Richard was himself again.

Then, there were college pranks and no doubt there are still. The Sunday suit of one student by some means found its way to the head of the flag staff on top of the building. The professors and students returning in the night from their holiday vacation, were seized by armed guards when they reached the building and hustled into dark rooms, there to remain until their captors found opportunity to slip away to their couches unobserved.

In those days, we listened to the daily roll call of that study soldier, Prof. Snyder, as he called out "Burwash M. B. Puckett or Bucket, or whatever your name may be."

In those days, we envied the lone man, Miles Hatch, who was allowed to manipulate a transit while we were graciously permitted to carry the chain or rod and long for the time when we too should be masters of the levelling screws and vernier.

In those days, we plodded along trying to follow Prof. Stewart's more or less lucid explanations of chemical reactions and his illustrations of the hemitetragonal trisoctohedrons.

In those days, Prof. Shattuck struggled hard to convey to a handful of students a faint conception of the principles of descriptive geometry.

In those days Prof. Wm. M. Baker corrected our essays and taught us what little we knew about English literature.

In those days, Prof. Burrill, always the friend and helper of the faithful student, had already copyrighted that word "nascent" for which he still finds such forcible use.

In those days, our beloved Dr. Gregory taught us that "Unstable as water thou shalt not excel"; taught us to be faithful,

earnest, and true in all that might fall to our lot to do. How we loved and admired him. His teachings, his example, sank deep into the hearts of his devoted pupils and had a mighty influence in their after life.

Those days, marked the beginning of a new era in the processes of education which recognized the necessity of educating the farmer and the artisan in order that an intelligent mind might guide and direct the hand of labor to higher and greater usefulness.

In those days, we felt sure that the world was impatiently waiting for us to finish our college work in order that we might take up and settle in a satisfactory way the problems that were vexing the statesmen and savants.

We went into the fray and struck boldly to the right and to the left, only to find that the same battles had been waged for years by perhaps stronger hands and braver hearts. The resultant of all these combined efforts points in the direction of right, of development and progress toward the mastery of Nature's secrets; and, on the whole, the general condition of mankind has been growing steadily better. The progress made in adapting the forces of Nature to the uses of man, has been so wonderful that it has no parallel in the annals of the past.

If we of the Alumni have contributed our mite to the good cause, through the training of this University, then indeed is its existence fully justified.

It has been said that the world needs, the world rewards most lavishly, constructive, not destructive, ability; the master mind that eliminates friction, rather than one which increases resistance.

Dr. Gregory often repeated to us the saying that the one who made two blades of grass grow where but one grew before was a benefactor to his race. While this may have been true at that time, conditions have long since outgrown so simple a claim upon our abilities and our resources. Today, men are not content with such modest results and the world demands much greater returns for its investments.

There is today an unusual demand for competent, earnest men with intelligence and skill to design and construct machines which will lighten the burdens of labor, multiply and cheapen the products consumed by the people. Men who eliminate distance, shorten time, and cheapen transportation between great commercial centers by cut-

ting down the hills, filling up the valleys, tunneling the mountains, bridging the rivers, and bringing into existence the heavier engines and cars that have increased train loads to an enormous extent. Men who design and construct great leviathans of the sea which cross the ocean in days instead of weeks; men who cause the air to pulsate and do their bidding in the transmission of thought and speech through empyrean space that spans the oceans. Men who deepen the harbors and streams, who pierce the isthmus and join the seas with navigable channels that shorten, thousands of miles, the route of ships from the Atlantic to the Pacific. Men who build such destructive engines of war and great battle-ships, so powerful, so destructive, that their very effectiveness is a practical guarantee against great wars between great nations. Men who explore the store-houses of Nature and convert to our use their hidden wealth of coal and iron, gold, and silver. Men who select the seed and develop the fruit which shall bring forth the most abundant harvest, whether it grows upon stony ground or upon the richest alluvium.

Even these captains of industry are powerless without the hearty support and earnest co-operation of the skilled mechanic, the muscle and brawn of the intelligent laborer. With the aid of such men, imbued with an earnest desire and determination to do their duty, men who think more of their obligations to their fellow men than of their individual rights, who can say that any undertaking is too great or any task impossible.

In addition to these pursuits which relate to the more material side of life, there is an unlimited demand for learned, earnest men and women of sterling integrity in the several professions, in the several fields of education, in the municipal operations of great cities, in the courts and in the legislative halls of state and Nation. All of these demand the highest order of intelligent citizenship.

Success in these lines, as measured by compensation for services rendered, may be somewhat disappointing, when we reflect that the salary of a jockey far exceeds that of a judge on the supreme bench and the earning power of a baseball team is much greater than that of the faculty of a great university.

But there are far higher rewards than that which is merely measured by money. The love of a profession for its own sake, the desire to do something for the benefit of our fellow men, the admiration and respect of our associates, the development of an honor-

able career that shall make such an impress upon the times that its influence for good will linger through many succeeding years. These are some of the standards by which true success should be measured, rather than considering merely the salary which a man commands.

One of the most important functions of our great institutions of learning that aim to reach the industrial masses with their training should be to establish firmly the principle that he who faithfully performs the task assigned to him with an eager, earnest desire to do his best; who makes his employers interests his own, will with unerring certainty receive just and proper reward for his services. He needs no labor union to enforce his claims. There is no lack of employment for such men. The great establishments all over the land are eagerly seeking such assistants, but, unfortunately, the demand is far greater than the supply.

These great universities should also stand firmly for the principal that the interests of capital and labor are one; that they cannot be antagonistic without great loss to both; that reasonable and proper relations established between them, with a frank recognition of their respective responsibilities and their mutual dependence, one upon the other, would lead to the abandonment of strikes, which always result in great loss to both sides, while adding hunger, misery, and hatred to the lot of labor.

In these days of rapid strides toward wealth and power, the laborer of today becomes the proprietor of tomorrow. Nearly all of the great leaders of industry in this country have known in their younger days what it was to toil for their daily bread. Their success may be traced to habits of thrift, energy and untiring devotion to their employers and to their work. Not a single instance can be cited of such success coming through a begrudging bestowal of skill and energy, coupled with indifference and disregard of duty. The laws of real success are plainly written in the golden rule and no legal enactments or by-laws of societies or unions can do more than temporarily divert or hinder the effective operation of that greatest of all laws.

Every man and woman who leaves this University to take part in the active duties of life, should solemnly pledge his most hearty support, his most earnest efforts to practice, to teach, to vitalize this law to the fullest possible extent.

Even in this land of enlightenment and plenty, we do not need to search long for misery and crime, and it hardly seems probable

that the day will ever come when they will be wholly eliminated. Vice is the hand-maid of ignorance and its natural fruit is poverty. The ideal education of the masses is that which will train their hands to do useful work, which will train their minds to a just pride in honorable toil, which will inculcate a spirit of patriotism and good citizenship, and which will make the home a center of contentment and happiness.

It requires something more than text books to make these universal laws of successful life effective. The most potent force in attaining these much-desired results is the example, the influence, of those, who, by nature or by education, have become the embodiment of these great virtues. An obligation rests upon them to aid their less fortunate fellow men. Even the humblest being may lay his mite upon the altar of right and by precept and example may contribute something to the general good.

The influence of this University, through its army of graduates who have taken up the duties of life in various sections of the country, is doubtless far greater than we yet know.

How proud we are to feel that once we were part of it, although something akin to sadness comes over us as we seek in vain for some of the familiar scenes which existed when we were enrolled here as students. But while we are strangers to nearly every material thing we now see about us, these enchanting, shaded walks, these magnificent, commodious buildings, these groups of young men and women who will soon join the ranks of the Alumni, we hail with unbounded pride this pioneer in the newer education which has grown to the giant proportions of a great University, equalled by few and excelled by none.

Let us pledge to it our love and our fealty.

If these few random thoughts, crystalized by the experiences of a busy life, have served to interest you even for the moment, then am I indeed content.

In closing permit me to express my high appreciation of the compliment you have paid me in this invitation to appear before you, in return for which I can only extend to you and yours, my best wishes for prosperity and happiness always.

BUSINESS MEETING

The Alumni meeting was called to order by President Talbot at 10:30 o'clock, Tuesday morning, June 9, 1903, in the Physics Lecture Room. The address, entitled "Learning and Labor," was given by Mr. John Augustus Ockerson, of the class of '73.

The business meeting which followed the address began with the election of officers for the coming year. Mr. S. A. Bullard, of the class of '78 was elected president, and Mrs. W. Bert Wilson, of the class of '77 was chosen vice-president. Each received the unanimous ballot of the Association. Professor I. O. Baker, of the class of '74, and Honorable Henry M. Dunlap, of the class of '75 were chosen as the new members of the executive committee to serve for three years. The other members of the committee are T. A. Clark, '90, term expires, 1904; M. Savage, '78 and C. B. Gibson, '77, terms expire in 1905.

CANDIDATES FOR TRUSTEES

Mr. T. A. Clark read the following report of the executive committee as regards the best plan to follow in attempting to get the Association to take a greater interest in the selection of candidates for Trustees of the University of Illinois.

JUNE 9, 1903.

Your committee to which was referred the formulation of a plan to carry out the resolution passed by this Association June 10, 1902, calling for the Alumni Association to take a more active part in the selection of candidates for Trustees of the University of Illinois, begs leave to make the following report:

The committee is of the opinion that the purpose of the proposed action is commendable and that the graduates of the University have an interest in its welfare and a knowledge of its life which would be advantageous in the selection of candidates. In several state institutions, the alumni choose one or more trustees, and in many other colleges they exercise a considerable influence. The results are said to be salutary.

Several plans by which the Alumni Association may influence the selection of the elective members of the Board of Trustees have been discussed. One plan suggested involves the selection by means of letter ballot by the Alumni Association of names to be presented to the state convention of each political party and an active effort to secure the nomination of the Association's

choice. It would be expected that the names selected would include men of prominence in affairs and of known public spirit who might not consent to be candidates under other conditions. The method of suggesting names and of sending out lists for the letter ballot and of presenting these to the convention are matters of detail which would require care in formulating, but which it is believed could be carried out successfully.

Notwithstanding the apparent advantages your committee, after full consideration of the subject and after consulting with many friends of the University, has come to be of the opinion that it is not wise at this time to undertake the action proposed by the resolution. This Association is still very young, and the graduates of the University of Illinois have not yet become a considerable part of the political life of the state. There is also at the present time a feeling in some quarters that societies and associations should not be given any direct part in the choice of public officers. The Association may well wait for larger numbers and riper years before claiming any official part in the choice of members of the governing body of the University. In the meantime, graduates have many opportunities in their own communities to work effectively in behalf of the University. The committee therefore recommends that this report be printed in the proceedings of the Association and that action on the resolution be deferred.

W. A. HEATH,
THOMAS ARKLE CLARK, } Committee.
MANFORD SAVAGE,

Mr. Parr moved that the last paragraph of the report as read be stricken out and that whole matter be referred to the new executive committee for a further report. The motion was carried.

ANNOUNCEMENT CONCERNING DR. PEABODY

President Talbot read the following announcement concerning the death of Doctor Peabody, the second Regent of the University of Illinois.

I have to announce to the Alumni Association the death of the second Regent of the University of Illinois, Selim H. Peabody, Ph. D., LL. D., which occurred May 26, 1903.

Dr. Peabody was President, or Regent as it was then called, from 1880 to 1891. Among the many advances made during his administration, in all of which he took an active and influential part, may be named the following.

The state legislature was awakened to its duty to the state to provide funds for the operation of the University. The University was in financial straits when Dr. Peabody assumed the duties of his office, and the legislature made its first appropriation for general operating expenses at the first session after he became Regent. To secure state appropriations for this purpose, even though small at first and increasing very slowly, with the condition of public opinion and the legislative view of expenditures for higher education then prevailing, involved difficulties and obstacles which can not be appreciated in this day of larger and freer givings.

Another illustration of success in overcoming the inertia of legislative precedent may be found in getting appropriations for buildings, which started in 1889 with an appropriation for the Armory and was followed with one for Natural History Hall in 1891, a practice which happily has now become a custom through appropriations for buildings at every biennial session since 1889.

The name of the institution was changed from the Illinois Industrial University to the University of Illinois in 1885. The first name had its origin in a movement for the breaking away from the old set classical education, but the new term was adopted at but one other institution, and naturally enough the name was constantly misinterpreted and confused with trade schools and even reformatories. Notwithstanding all this there was great opposition to a change of the name, even from the Governor of the state, on the ground that change of name meant the dropping of the original purposes of the institution, and it required strenuous efforts to secure favorable action. Until the rightful name was given, little could be accomplished in extending the prestige of the school.

Two movements of large moment, in which Dr. Peabody had active and conspicuous part, were the passage of the act of congress establishing agricultural experiment stations and appropriating funds therefor, and the passage of the so-called second Morrill act making annual appropriations for the land-grant colleges. He also was an active agent in the establishment and development of the Illinois Experiment Station.

Concerning educational matters, it may be said that during this period the University was developed along lines of thoroughness of instruction, better standards of scholarship, and good business and administrative methods. The accrediting of the high schools of the state for admission of their graduates to the University was begun. The University passed through the second stage of its development, its reputation was extended, and it began to take rank with other institutions. With the beginning of the general educational revival in 1887, there began a growth in numbers which has continued at an almost constant rate, if we neglect the adoption of the professional schools, until the present time.

For all these advances Dr. Peabody worked diligently and effectively, and is entitled to a large share of the credit of their accomplishment.

Dr. Peabody was a man of high character, scholarly attainments, and unusual versatility, a prodigious worker, an efficient administrator, and an educator of recognized standing. He was held in high esteem not only by his colleagues, but by educators in the country at large. His literary qualities and the part he took in the management of expositions in the last twelve years have added to his national reputation. He was puritanical in his stern ideals, and a profound religious undercurrent gave an impression of sternness which was sometimes misapprehended. The uncompromising character, inflexible purpose, thrift, self-forgetting diligence upheld by him are illustrative of his character. Contrary to a quite widely accepted opinion, he had deep interest, sympathy, and pride in the life of students of the University, but the mountain of administrative detail which he felt obliged to undertake crowded out adequate expression of it. With more leisure, suavity and tact his pathway would

have been pleasanter, his accomplishments larger and his applause greater. Yet those who know the history of the University appreciate the great value of his services. Dr. Peabody had a large part in laying the foundations and in establishing the character of the University of Illinois, and his name should be revered as one of the strong men of our University history.

Mr. Rolfe moved that this paper be adopted as the sense of the meeting, that it form a part of the proceedings to be printed, and that a copy be sent to the family of the deceased. The motion was carried.

President Talbot was authorized to appoint a committee to draw up resolutions concerning Dr. Peabody. The following were appointed: Mary Tracy Earl, '85, S. W. Stratton, '84, T. F. Hunt, '84, and T. A. Clark, '90. The committee at a later date reported to the Secretary that it had sent to Mrs. Peabody, a letter as follows:

Mrs. Selim H. Peabody, Chicago, Illinois,

DEAR MRS. PEABODY: The Alumni of the University of Illinois offer you and your sons and daughters their profound sympathy in the bereavement you have suffered, and beg to assure you of their own sincere grief.

At the annual meeting of the Alumni Association in June, the outgoing president, Arthur N. Talbot of the class of 1881, read an appreciation of Dr. Peabody in which he referred particularly to the great value of Dr. Peabody's services to the University;—an appreciation which so well expressed the general understanding that the association voted to forward a copy of it to you.

In transmitting it, the committee to whom it was entrusted wishes also to express the gratitude with which Dr. Peabody's tireless work for the University is remembered; for time, in passing, merely strengthens the affectionate remembrance of those who knew Dr. Peabody most intimately and with the most just understanding of his great mind and his kind heart.

Respectfully yours,

MARY TRACY EARLE,	} Committee.
SAMUEL WESLEY STRATTON,	
THOMAS FORSYTH HUNT,	
THOMAS ARKLE CLARK,	

The Secretary, Mr. Pillsbury, presented a report of statistics as follows:

VITAL STATISTICS

Marriages—

- 1887. Edward Ike Cantine and Etta Robinson, August 7, 1901.
- 1890. James Barr and Lillian Bennett, April 22, 1902.
- Anna Cecelia Boyle and Peter Junkersfeld (1895), June 19, 1901.
- Frank Dent Wilbur and Kate McGraw, September 11, 1902.
- 1891. Edward Charley Eidman and Mary E. Kunze, April 28, 1903.

1892. Howard Oakley Woodworth and E. V. Weeks, May 27, 1903.
 1894. Elnathan Kemper Nelson and Tuley Wetzel, April 29, 1903.
 Albert Charles Phelps and Carolyn B. Lynd, Aug. 14, 1902.
 1895. Joseph William Royer and Adelaide Danely, October 14, 1902.
 1896. Walter Gilbert Campbell and Emily Ferguson, June 17, 1902.
 James Harry McKee and Alice Biehl, November 28, 1901.
 1897. George Andrew Barr and Mary Worrell Speer, October 16, 1902.
 Ralph Waldo Braucher and Mabel Harriet Hankinson, November
 12, 1902.
 Wesley Edward King and M. Marie Groweg, September 12, 1902.
 Charles Wilbur Leigh and Viola Faulkner, Jan. 1, 1903.
 Walter Montgomery Morgan and Helen Rohrbrough, September
 25, 1902.
 Francis John Plym and Jennie May Barber, March 10, 1903.
 Frederick William Schacht and Dora A. Hall, June 25, 1902.
 1898. Grace Eliot Morrow and Garrett Teller Seely (1899), October 21,
 1902.
 George Bedell Worthen and Etta May Horstman, September 1, 1902.
 1899. Gwavas Foster Beckerleg and Clara M. Ungewitter, December 24,
 1901.
 Louise Jones and Bertram Wilson Adsit, (1901), November 12, 1902.
 Sidney Orin Swenson and Florence Royer, August 3, 1902.
 1900. Asa Baird Kirkpatrick and Edith G. Woodworth, Aug. 7, 1902.
 Adam Julius Strohm and Cecilia McConnell, October 30, 1902.
 Raymond Sly Wiley and Ruby Tilson, August 26, 1902.
 1901. Albert Miller Allen and Cora Kuhl, November 27, 1902.
 Arthur Timothy Bell and Teresa Webb, December 29, 1902.
 Hattie Bell Frahm and George N. Fornorf, April 8, 1903.
 Carrie E. Talbot and Timothy Ralph Miner, September 25, 1901.
 Sidney Walter Wright and Nellie Gaddis, December 28, 1902.
 1902. William Lee Bennett and Clara May Hubbard, December 29, 1902.
 Oliver Carter Boggs and Ethel Woodin, June 25, 1902.
 Frederick Gordon Bonser and Edna MacDonald, August 17, 1902.
 Harry Samuel DeVelde and Frances Anna Smith, July 24, 1902.
 Lewis Theron Gallaher and Louise Mae Sherwood, December 24,
 1902.
 Robert Philip Shimmmin and Ethel May McEvoy, May 14, 1903.
 Arthur Bourne Smith and Mary A. Read, October 26, 1902.
 Floyd Ludwig Swanberg and Mayme Connelly, January 1, 1903.

Deaths—

1877. George Clark Rice, died at Oakwood, August 29, 1902.
 1897. Ralph Plumb Brower, died at Lake Tahoe, Cal., August 8, 1902.
 1896. Walter Gilbert Campbell, died at St. Paul, Minn., June 6, 1903.
 1900. Robert Gerald Pettinger, died at Cumberland, Ia., January 13, 1903.

THE DINNER

At the close of the business meeting this year, as last, the Alumni and their friends assembled in the Armory for the annual dinner. Mr. E. J. Lake of the class of '95 had charge of all the details of the spread, and deserves much credit for the excellence of the menu and the character of the service.

The class of '78, the honor class, occupied a place on the elevated stage, and Mr. Manford Savage, a member of this class, acted as toast-master, a position which he filled with credit to himself, and with satisfaction to all who listened to him. After all had enjoyed the dinner the toast-master called the assembly to order, and explained that Mr. Henry White Wilder, of the class of '86, who was first to have responded to the toast, "The College Man in Business," was not able to be present, and this part of the program had to be omitted.

Mrs. Nellie McLean Lumley, of the class of '88, spoke on "The College Woman in the Home." Mrs. Lumley showed all the old-time vigor that the members of the Alethenai remembered so well, and very humourously presented the advantages which a college education gives the woman who has charge of a home.

Judge Solon Philbrick, of the class of '84, was to have responded to "The College Man as a Lawyer," but his duties at court prevented his being present. The toast was responded to by Mr. Arthur Raymond Hall, of the class of '01. Mr. Hall said a good deal about the advantages to a lawyer of a college education, but incidentally he had more to say about athletics, and Illinois Field, so that at the close of his remarks every one felt called upon to hear Captain Cook, '03, of the baseball team, who spoke briefly of the benefit of athletic training, and paid a very high compliment to Mr. Huff.

Mr. James Piatt Kratz, of the class of 1900, then responded to the toast "The College Man on the Farm." He emphasized the advantages of military training in teaching a man to get over plowed ground in a dignified way, and the necessity of language training in enabling the farmer to do justice to all embarrassing situations in which he finds himself. Every one seemed convinced when he was through that the farmer is helped by a college education.

Mr. Samuel Wesley Stratton, of the class of '84, in responding to the toast "The College Man in the Middle Ages," showed some very interesting things concerning conditions at the University during the early eighties. He spoke especially of the development of the University, and the energy and democratic character of the students.

Mr. Louis Engleman Fischer, of the class of '88, spoke on "The College Man as an Athlete." The subject was an interesting one to Mr. Fischer, and he made it so to those who listened to him.

"The Outgoing College Man," was presented by Mr. Hal Marot Stone of '03. Mr. Stone was modest in his claims for the recent college graduate, and disclaims any intention of that class to revolutionize the world.

Mr. James Robert Mann, of the class of '76, in responding to the toast, "The College Man in Politics," said that if he had been asked to speak on "The Politician in College," he would have been able to say a great deal, but as it was he had little information to impart. He succeeded, however, in amusing his hearers for some time.

President Draper was then called upon to respond to the toast "Making the College Man." He thought this a pretty large subject, though he succeeded in giving a good deal of information with regard to the growth and development of the University, and its increased facilities for making college men.

At the close of his remarks on this subject he called forward Senator Henry M. Dunlap, of the class of '75, and in a very feeling and appreciative speech presented to him from the University Faculty and Trustees a chest of silver, and a beautifully illuminated book of testimonials as a slight indication of the appreciation of Senator Dunlap's work in advancing the interests of the University. After a brief response from Mr. Dunlap the program closed. [The report of the dinner was made by Professor Clark.]

UNIVERSITY OF ILLINOIS

THIRTY-SECOND

ANNUAL COMMENCEMENT

AT THE ARMORY

WEDNESDAY, JUNE 10, 1903

TEN O'CLOCK A. M.

PROGRAM

Scriptures and Prayer - - - Rev. J. H. Cannon

Light Cavalry Overture - - - - - *Suppe*

MILITARY BAND

Address - - - - - President Charles F. Thwing, LL.D.

March from Scenes Picturesque, - - - - *Massenet*

MILITARY BAND

Conferring Degrees - - - President Andrew S. Draper, LL.D.

Selection from Lohengrin - - - - *Wagner*

MILITARY BAND

COLLEGE OF LITERATURE AND ARTS

For the Degree of Bachelor of Arts In Specialized Courses--Theses Required

- OLIVER MORTON DICKERSON...The Illinois State Constitutional Convention of 1862.
- LAURENCE FRED LARSON.....History of Land Grants in Illinois
- STELLA WEBSTER MORGAN...A Study of the Noah and Isaac Miracle Plays
- ISABEL McROBIE.....De Raptu Proserpinæ. Translation with Notes
- GEORGE EDWARD MARKER.....A Uniform System of School Records
- ADDISON M SHELTONSchool Legislation in Illinois, 1818 to 1855
- ADAH HELEN STUTSMAN.....Schiller's Das Lied von der Glocke, edited with Introduction, Vocabulary and Notes.
- LESTER WILLIAM ZARTMAN.....A Comparison of the Wage Theories of Gunton and Clark.

In General Courses

- | | |
|-----------------------------|-----------------------------|
| MAE LOUISE ALLEN | MARJORIE DOUGLAS FORBES |
| MARY ANDERSON | LOIS GERTRUDE FRANKLIN |
| KATHARINE W BEAR | FRANCES EMELINE GILKERSON |
| FRANCIS MARION BEATY | CLARENCE GREEN |
| GEORGE W BLACK | LILLIAN HEATH |
| ANNA LOUISE BOND | LYLE GEORGE HERRICK |
| HENRY LEHRE BOON | EDNA DuBOIS HOFF |
| LUCINA JANE BORTON | MARJORIE CAMPBELL HOLDERMAN |
| JESSIE ISABELLE BRADSHAW | SOPHIE HYDE |
| MARGUERITE PAULINE BUERKIN | MARY LENTZ |
| JEAN BURKHART | WINIFRED MYERS |
| MILDRED ANN BURRILL | SAMUEL RUFUS NOE |
| DAISY IRENE CAMPBELL | ROY SHELDON PARKER |
| ANNA OLIVE CHACEY | ROBERT WILLIAM PARR |
| DANIEL WARD CHAPMAN | GEORGE AUGUSTUS POWERS |
| ESTELLA FORTH CHISHOLM | JOHN EARL SHOEMAKER |
| MATILDA LENNA CLARK | CHARLES HENRY SMITH |
| HOMER CLARENCE COEN | CHARLES WESLEY SMITH |
| JOHN FAY CUSICK | JOHN JACK SPRIGGS |
| LEROY GILBERT DAKE | LUCIA ALZINA STEVENS |
| THOMAS FRANCIS DANAHEY | CORNELIA EMMA STREHLOW |
| CHARLES HUBBARD DAWSON | LLOYD VERNON WALCOTT |
| CLARA EDNA FISHER | PEARL WEBBER |
| ETHEL CLARA SCHUMANN FORBES | HANNAH AMANDA WESTHOLD |

METTA EDNA WOODWORTH

COLLEGE OF ENGINEERING

For the Degree of Bachelor of Science

In Architecture

- AUSTIN BOND.....Design for a Recreation Pavilion in a City Park
 VERNON MILNER HOLDER.....Design for an Institutional Church
 LORING HARVEY PROVINE.....Design for an Administration Building for
 a University.
 JOHN HENRY SCHACHT.....Design for a Woman's Gymnasium
 ELLSWORTH PRIME STOREY.....Design for State Fair Grounds
 LEONARD FRED STUEBE.....Design for a College Auditorium
 HAMMOND WILLIAM WHITSITT.....Design for a Military Academy
 JOSEPH WADE WILSON.....Design for a School of Fine Arts

In Architectural Engineering

- MARTIN TUTTLE CHAMBERLAIN
 WILLIAM EVERTON RAMSEY, A. B. } Effect of Reinforcing Steel I-Beams
 (Chicago University), 1901. } with Concrete.

In Mechanical Engineering

- JAMES THOMAS ATWOOD.....Test of a Gasolene Motor Car
 LeROY FITCH BEERS.....Test of a Gasolene Motor Car
 EDWIN CRESSY BRIGGS....American Methods of Cheapening the Cost of Pro-
 duction of Machine Parts.
 LEWIS BROWN.....Design for a Gasolene Engine
 JAMES FITCHIE COOK....The Construction of Temperature-Entropy Charts
 for Ammonia.
 GEORGE HAMM DICKERSON.....Tests of a Locomotive Injector
 RALPH SOUTHWARD DRURY.....Central Station Heating at Urbana, Illinois
 WILLIAM VAN DUNKIN.....The Acceleration of Machine Parts
 CLARENCE WILSON FISKE....Methods of Pumping Water from Deep Wells
 CHARLES HENRY GREEN....Design and Construction of an Inertia Governor
 ALBERT MYRON JOHNSON.....Rotary and Centrifugal Pumps
 ROBERT HAYDEN KUSS.....Design of an Engine for Superheated Steam
 ROY WEAVER RUTT.....Central Station Heating at Urbana, Illinois
 VICTOR LORENZO SHELDON.....Power Required to Drive Machine Tools
 ELGIE RAY SKINNER.....Design of an Engine for Superheated Steam
 JACOB H WALLACE.....The Mechanics of the Connecting Rod

In Civil Engineering

- CHARLES APPLE.....Cost of Brick Pavements
 ERNEST BEAR.....Strength of Steel-Concrete Floor Slabs
 EDGAR WILLIAM BLOCK.....Tests of Brick from Street Pavements
 WAYNE EDISON BURKHALTER....Erection of the Lees Highway Bridge near
 St. Joseph, Illinois.
 JOHN EDWARD CONLEY.....Management and Organization of Track Forces
 for Railway Maintenance.
 RALPH HAWES GAGE.....Strength of Corrugated Iron
 HENRY RHIEL GARDEN.....Inspection of Railroad Masonry
 GEORGE CONRAD HABERMEYER....Calibration of the Talbot-Jones Brick-
 Testing Machine.
 FRANK BRUCE INGERSOLL.....Back-Filling of Trenches
 WASHINGTON PARKER IRELAND.....Entrance Head in Pipes and Conduits
 ALFRED CURTIS LESOURD....Calibration of Weirs in the Hydraulic Labor-
 atory of the University of Illinois.
 CHRISTIAN PETER LAURITZ PETERSEN....Design of a Coliseum and Expositi-
 tion Building for Peoria, Illinois.
 BANUS HUTSON PRATER.....Effect of Clay on Strength of Concrete
 HUGH MITCHEL PRICE.....Back-Filling of Trenches
 JOHN JEFFERSON RICHEY.....Effect of Clay on Strength of Concrete
 FRED ELMER RIGHTOR....Calibration of Talbot-Jones Brick-Testing Machine
 BUDD WILLARD SEYMOUR.....Water Hammer in Pipes
 RODERICK WILLIAM SILER.....Relative Strength of Wet and Dry Concrete
 JAMES WOLFE SUSSEX.....Relative Strength of Wet and Dry Concrete
 ALBERT GRAFTON VARNES.....Lateral Pressure of Grain in Bins

In Electrical Engineering

- LEO DOLKART.....Experiments in Wireless Telegraphy
 JAMES FRANKLIN DUFFY, JR...The Oscillograph; Its Construction and Its Uses
 RALPH MAYO GASTON }Methods of Increasing the Power Factor of In-
 FRED WAYLAND ROSE }duction Motors.
 MAURICE DEEN FRENCH }Attenuation in Alternating Current Trans-
 GEORGE CARROLL OXER }mission Lines.

In Railway Engineering

- FREDERICK DAWSON JOHNSON.....Dynamometer-Car Tests for 1903

In Municipal and Sanitary Engineering

- GEORGE LOYAL SAWYER.....Calibration of the Cole-Flad Pitometer

COLLEGE OF SCIENCE

For the Degree of Bachelor of Arts

In General Science

With Thesis

JAMES THEOPHILUS BARRETT..Observations on the Anatomy of the Circulatory System and the Course of Blood Flow in *Diplocardia communis* Garman.

Without Theses

EDITH LOUISE ALLEN

RALPH GARFIELD MILLS

LOU BAKER

MARY FRANCES NESBIT

FRANK TRACY CAVANOR

HENRY JOSEPH QUAYLE

WILMER ESLA DAVIS

SUSIE FARLEY ROLFE

ROY JAMES DEMOTTE

GUSTAVUS ADOLPHUS SCHMIDT

FRANK EMERSON INKS

MAUDE LILLIAN SHELTON

ELWOOD ALMON KINGSTON

JOHN CARL STINE

WILLIAM DAVID KNOWLTON

MIRIAM URSULA WELLES

GEORGE SHIRLEY WILSON

In Household Science

ELLEN ALDEN HUNTINGTON.

RUTH AIMÉE WARDALL.

In Preliminary Medical Course

JOHN MILTON BERGER.

EMERY ROE HAYHURST.

For the Degree of Bachelor of Science

In Chemistry

CHARLES HUNTINGTON HIGGINS.....Detremination of Sulphur and Carbon in Coal.

HENRY PHELPS JARMAN....A Comparison of the Methods for the Determination of Nitrates in Water by the Aluminum Reduction Method, and the Phenol Sulphuric Acid Method.

WILLIAM ADELBERT KUTSCH....A New Method for the Separation of Tin-Arsenic, and Antimony, with Special Reference to Complex Alloys.

JOHN ALBERT MCFARLAND.....A Study of the Acidity of Beef Extract

CARL STEINWEDELL....The Analysis of Complex Alloys, with Special Reference to the Determination of Tin, Arsenic, and Antimony.

ARTHUR NORMAN ZANGERLE....A Steeping of Barley; a Comparison of the Effects of the Use of Hard and Soft Waters.

In Chemical Engineering

CLARENCE HERBERT BEAN....Metallic Calcium and its Application to Iron Founding.

COLLEGE OF AGRICULTURE

For the Degree of Bachelor of Science

In Agriculture

- JAMES ELLIS ARMSTRONG, A. B., 1897.....Indian Corn
 JOHN WILLIAM CATTRON....Age as Affecting Cost of Production and Quality of Beef.
 GEORGE ASHLEY CROSTHWAIT....Indian Corn (Zea Mays); Production, Selection, Preservation, and Germination of its Seed, and General Principles of Planting.
 GUSTAV HERMAN EIDMANN....Soil Fertility Studies, with Special Reference to Certain Soils of Saint Clair County, Illinois.
 SAMUEL JOHN HAIGHT, Jr....Age as Affecting Cost of Production and Quality of Beef.
 ROBERT CLINTON LLOYD.....A Study of the Granulation of Soils
 THOMAS NOBLE....The Cost of Producing Corn Including the Value of the Soil Fertility Used.
 FRED MASON WELLS.....A Study in Pork Production

In Household Science

- CHARLOTTE BRIGGS NELSON, A. B. (Vassar College), 1902.

COLLEGE OF LAW

For the Degree of Bachelor of Laws

- | | |
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| CHARLES VINCENT BARRETT | CLYDE MILTON MATHEWS |
| JOHN PHILIP BECKMAN | JOHN DELOSS MELL |
| HARRY ARMAND BLOSSAT | FREDERICK LOUIS NEES |
| LUTHER EARLE BIRDZELL | CHARLES LEWIS OGDEN |
| FRANCIS THOMAS CARSON | JAMES WILLIAM PETTYJOHN |
| HORATIO S DAVIS | CHARLES ROBERT POLLARD |
| DELBERT RINER ENOCHS, A. B., 1898 | FRANK HIETT RHEA, A. B.,
(Illinois Wesleyan), 1898 |
| JOHN FRANCIS GAVIN | |
| ROLLA BURDETTE GROVE | GARLAND STAHL |
| HERMAN EUGENE HARTLINE | CLYDE ERNEST STONE |
| ANDREW EDGAR HAUTER | HAL MAROT STONE |
| BENJAMIN WILLIAM HETHERINGTON | ALEXANDER JENNINGS STROM |
| NELS ALFRED LARSON | ALBERT EDGAR TAFF |
| LULU MACINTOSH LEGO | PAUL RAYMOND VANDERVORT |
| GRACE E MARTIN | ROBERT RUSSELL WARD |

WALTER WINSLOW WILLIAMS

SCHOOL OF LIBRARY SCIENCE

For the Degree of Bachelor of Library Science

- RUTH ABBOTT.....Annotated Bibliography of the Evolution of the House
- EUGENIA ALLIN.....Annotated Bibliography of Domestic Science Movement
- STELLA BENNETT.....Rural School Libraries of Boone County, Illinois
- GERTRUDE BOWMAN..Partial Bibliography of the Works of Carot, Daubigny
Millet, Rousseau and Troyon.
- JANE WIDNEY BROTHERTON, B. S. (Shepardson College), 1899..Translation
of Milkau Centralkatalog und Titeldrucke.
- ANNA LUCILE CLINTON..A Study of the Crusades Through an Annotated
List of Historical Novels
- EDNA EARLE DANIELS..Annotated List of Books for Supplementary Reading
in Geography.
- GENEVIEVE DARLINGTON.....Partial Bibliography of Textiles
- BERTHA ALMA DODGE A. B. (Tufts College), 1901..Selected and Annotated
Bibliography of Garden Books.
- JEANNETTE MAY DRAKE.....Partial Bibliography of the Works of Raphael
- WILLIA KATHRYN GARVER..Translation of Article Bibliotheken, in Handbuch
der Architectur.
- KATHARINE EATON GOLD..Bibliography of Adaptations of the Classics, for
Children.
- GRACE GOODALE.....Handbook of the Libraries of Cincinnati
- EMMA JOANNA HAGEY A. B. (University of Nebraska), 1898..Gifts to Public
Libraries.
- EDNA MAY HAWLEY.....Laws Relating to U. S. Government Documents
- MABEL HAYWARD..Contributions to a Bibliography of the Yosemite and the
Big Trees.
- MARY HENDERSON..Library Schools and Training Classes in the U. S. and
Courses of Bibliography Given in Colleges.
- FANNY REBECCA JACKSON A. B. (Rockford College), 1896..Index to the Jour-
nals of the First and Second General Assemblies of Illinois, 1818-1821.
- ANNA VIVIAN JENNINGS..Partial Bibliography of the Works of Botticelli,
Del Sarto, Giorgione, Guido Reni, Tintoretto.
- GRACE OSGOOD KELLEY..Correspondence Course in Accessioning, Shelf-list-
ing, Classifying and Cataloging.
- HELEN THERESA KENNEDY.....Libraries in State Schools for the Deaf
- CAROLINE VALERIA LANGWORTHY..Annotated Bibliography of the Evolution
of the House.
- EMMA GRACE LEFLER.....Review of Macfarlane Library Administration
- ALICE CALHOUN MANN..Catalog of some Incunabula in the University of
Illinois Library.

- MARY ALICE MATTHEWS.....Coöperative Living
- JULIA WRIGHT MERRILL....Subject Bibliography of the Library of Congress
- BERTHA THATCHER RANDALL B. L. (Smith College), 1893..Syllabus for the Study of U. S. Government publications.
- FRANCES SIMPSON M. L. (Northwestern University), 1898..Syllabus for a Course of Study in the Evolution of the Library in Europe and America
- ALTA LOUISE STANSBURY..Furnishings and Fittings of an Average Public Library.
- MARIETTA LOUISE STREET..Conditions and Needs of the Public Library of Sterling, Illinois.
- ANNE DAVIES SWEZEY..English History of the Tudor Period, 1485-1603, Through an Annotated List of Historical Novels.
- EDNA CECILIA VANCE.....Study of Periodicals for Children
- VONIE AMES WILEY..Partial List of Bibliographies in the Congressional set of U. S. Government Documents.
- RALPH CULLOM WOODMANSEE.....Partial Bibliography of Illinois Authors
- LYNNE GRISWOLD WORTH.....High School Libraries of Michigan

GRADUATE SCHOOL

For the Degree of Master of Arts

- JOHN KENYON BUSH, A. B., 1900....Solubility of Lead Nitrate and Mercuric Chloride in the presence of Other Soluble Chlorides.
- HENRIETTA ANNE CALHOUN, B. S., 1901....Blood-plates, Coagulation, and Regeneration of Blood.
- WILLIAM CROCKER, A. B., 1902....The Effect of Chloral Hydrate on the Plant Cell.
- EXUM WOODARD DAVIS, A. B. (Indiana University), 1898....The Indian Question in Illinois.
- FRED GATES FOX, A. B., 1898....A Study of the Edinburgh Review from 1802 to 1840.
- BELLE IRENE GILLESPIE, A. B., 1902....The Influence of George Eliot upon Thomas Hardy.
- ROXANA GOBLE, A. B. (Westfield College), 1901....Schiller's Ballads, Edited with Notes and Vocabulary.
- CHESTER ELLIS HARRIS, A. B., 1902....Blood-plates, Coagulation, and Regeneration of Blood.
- PRUDENCE WINTER KOFROID, A. B. (Oberlin College), 1890....Puritan Influence in Illinois Previous to 1860.
- NUBA MITCHEL PLETCHER, A. B., 1901.....Palmyra, Past and Present

ROBERT EARL RICHARDSON, A. B., 1901....On Regional Variations in the Plankton of the Illinois River.

FRANK WILLIAM SCOTT, A. B., 1901....The North American Review as a Literary Organ from 1815 to 1835.

ELRICK WILLIAMS, A. B., 1902.....Extractives of Meat

For the Degree of Master of Science

ERNEST WILLIAM PONZER, B. S., 1900....The Interchange of the Order of Integration in a Double Integral.

CURT AUGUST SCHREODER, B. S., 1901....The Action of Sodium Ethyl Mercaptid on Tribomdinitrobenzene.

For the Degree of Master of Architecture

SAMUEL ALEXANDER BULLARD, B. S., 1878....The American Protestant Church Building.

ALBERT CHARLES PHELPS, B. S., 1894.....The English Chapter House

For the Degree of Doctor of Philosophy

HENRY LIVINGSTON COAR, A. M. (Harvard), 1894....Functions of Three Independent Variables.

WILLIAM MAURICE DEHN, A. M. (Hope College), 1896.....Primary Arsines

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HUGH MITCHEL PRICE

LORING HARVEY PROVINCE

HENRY JOSEPH QUAYLE

FRÉD WAYLAND ROSE

GUSTAVUS ADOLPHUS SCHMIDT

HAMMOND WILLIAM WHITSITT

CLASS OF 1903

Ruth Abbott.....Chicago
Edith Louise Allen.....Delavan
Mae Louise Allen.....Champaign
Eugenia Allin.....Bloomington
Mary Anderson.....Macon
Charles Apple.....Robinson
James Ellis Armstrong.....Bondville
James Thomas Atwood.. ..Rockford
Lou Baker.....LeRoy

Charles Vincent Barrett.....Chicago
James Theophilus Barrett.....Butler
Clarence Herbert Bean.....Rock Falls
Ernest Bear.....Urbana
Katharine W Bear.....Ludlow
Francis Marion Beaty.....Marion
John Philip Beckman.....Clayton
Leroy Fitch Beers.....North Harvey
Stella Bennett.....Belvidere

John Milton Berger.....	Dolton Station	Henry Rhiel Garden.....	Lockport
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Wayne Edison Burkhalter.....	Peoria	Edna May Hawley.....	Chicago
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Mildred Ann Burrill.....	Urbana	Mabel Hayward.....	Chicago
Daisy Irene Campbell.....	Champaign	Lillian Heath.....	White Heath
Francis Thomas Carson.....	Urbana	Mary Henderson.....	Cedar Rapids, Ia.
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Daniel Ward Chapman.....	Vienna	Vernon Milner Holder.....	Normal
Estella Forth Chisholm.....	Champaign	Marjorie Campbell Holderman....	Urbana
Matilda Lenna Clark.....	Elvaston	Ellen Alden Huntington..	Hartford, Conn.
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Homer Clarence Coen.....	Olney	Frank Bruce Ingersoll.....	Sterling
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John Fay Cusick.....	Chrisman	Henry Phelps Jarman.....	Elmwood
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Genevieve Darlington..	LaGrange	Grace Osgood Kelley.....	Muskegon, Mich.
Horatio S Davis.....	Urbana	Helen Theresa Kennedy.....	Jacksonville
Wilmer Esia Davis.....	Zanesville, O.	Elwood Almon Kingston.....	Picton, t.
Charles Hubbard Dawson.....	Bement	William David Knowlton.....	Onarga
Roy James DeMotte.....	Urbana	Robert Hayden Kuss.....	Peoria
George Hamm Dickerson.....	Mahomet	William Adelbert Kutsch.....	LaSalle
Oliver Morton Dickerson....	West Liberty	Caroline Valeria Langworthy..	Dubuque, Ia.
Bertina Alma Dodge.....	Williamsville, Vt.	Lawrence Fred Larson.....	Galva
Leo Dolkart.....	Chicago	Nels Alfred Larson.....	Moline
Jeanette May Drake.....	Decatur	Emma Grace Lefler.....	Pontiac
Ralph Southward Drury.....	New Boston	Lulu Mackintosh Lego.....	Champaign
James Franklin Duffy, Jr.....	Chicago	Mary Lentz.....	Freeport
William Van Dunkin.....	Urbana	Alfred Curtis LeSourd.....	Topeka
Gustav Herman Eidmann.....	Mascoutah	Robert Clinton Lloyd.....	Canton
Delbert Riner Enochs.....	Champaign	John Albert McFarland.....	Mendota
Clara Edna Fisher.....	Champaign	Isabel McRobie.....	Chicago
Clarence Wilson Fiske.....	Sterling	Alice Calhoun Mann.....	Danville
Ethel Clara Schumann Forbes....	Urbana	George Edward Marker.....	Onarga
Marjorie Douglas Forbes.....	Urbana	Grace E. Martin.....	Champaign
Lois Gertrude Franklin.....	Dwight	Clyde Milton Mathews.....	Urbana
Maurice Deen French.....	Danville	Mary Alice Matthews.....	Mayview
Ralph Hawes Gage.....	Chicago	John Deloss Mell.....	San Jose

Julia Wright Merrill.....	Cincinnati, Ohio	Charles Henry Smith.....	Metamora
Ralph Garfield Mills.....	Decatur	Charles Wesley Smith....	Lockwood, N. Y.
Stella Webster Morgan....	Burlington, Ia.	John Jack Spriggs.....	Louisville
Winifred Myers.....	Champaign	Garland Stahl.....	Elkhart
Frederick Louis Nees.....	Chicago	Alta Louise Stansbury..	Cedar Rapids, Ia.
Charlotte Briggs Nelson....	Bloomington	Carl Steinwedell.....	Quincy
Mary Frances Nesbit.....	Oakland	Lucia Alzina Stevens.....	Marengo
Thomas Noble.....	Urbana	John Carl Stine.....	Assumption
Samuel Rufus Noe.....	Auburn	Clyde Ernest Stone.....	Urbana
Charles Lewis Ogden.....	Cameron	Hal Marot Stone.....	Mason City
George Carroll Oxer.....	Macon	Ellsworth Prime Storey.....	Chicago
Roy Sheldon Parker.....	Toluca	Marietta Louise Street.....	Dixon
Robert William Parr.....	Mapleton	Cornelia Emma Strehlow....	Shermerville
Christian Peter Lauirtz Petersen.....		Alexander Jennings Strom.....	Chicago
.....	Roskilde, Denmark	Leonard Fred Stuebe.....	Danville
James William Pettyjohn....	Farmington	Adah Helen Stutsman.....	Quincy
Charles Robert Pollard.....	Delphi, Ind.	James Wolfe Sussex.....	Abingdon
George Augustus Powers.....	Edinburg	Anne Davies Swezey.....	Hinsdale
Banus Hutson Prater.....	Decatur	Albert Edgar Taff.....	St David
Hugh Mitchel Price.....	Urbana	Edna Cecilia Vance.....	Eaton
Loring Harvey Provine.....	Macomb	Paul Raymond VanDervort....	Tiskilwa
Henry Joseph Quayle.....	Champaign	Albert Grafton Varnes.....	Farmington
William Everton Ramsey.....	Chicago	Lloyd Vernon Walcott.....	Urbana
Bertha Thatcher Randall.....	Decatur	Jacob H Wallace.....	Altamont
Frank Hielt Rhea.....	Bloomington	Robert Russell Ward.....	Benton
John Jefferson Richey.....	Polo	Ruth Aimée Wardall.....	Tuscola
Fred Elmer Rightor.....	Rockford	Pearl Webber.....	Urbana
Susie Farley Rolfe.....	Champaign	Miriam Ursula Welles.....	Dover
Fred Wayland Rose.....	Mazon	Fred Mason Wells.....	Moline
Roy Weaver Rutt.....	Sterling	Hannah Amanda Westhold....	Quincy
George Loyal Sawyer.....	Chicago	Hammond William Whitsitt..	Preemption
John Henry Schacht.....	Moline	Vonie Ames Wiley.....	Charleston
Gustavus Adolphus Schmidt....	Chicago	Walter Winslow Williams.....	Herrin
Budd Willard Seymour.....	Dwight	George Shirley Wilson.....	Magnolia
Maude Lillian Sheldon.....	Sharpsburg	Joseph Wade Wilson.....	Chicago
Victor Lorenzo Sheldon.....	Sharpsburg	Ralph Cullom Woodmansee...	Champaign
Addison M Shelton.....	Loami	Metta Edna Woodworth.....	Champaign
John Earl Shoemaker.....	Charleston	Lynne Griswold Worth.....	Chicago
Roderick William Siler.....	Chicago	Arthur Norman Zangerle.....	Chicago
Frances Simpson.....	Evanston	Lester William Zartman.....	Grant Park
Elgie Ray Skinner.....	Frankfort, Ind.		

COLLEGE OF MEDICINE

For the Degree of Doctor of Medicine and Surgery

Degrees conferred May 26, 1903, in Chicago

Hicks Louis Adams, Ph.G.	Jacob Lester Barnsback.
Maurice Altman.	William Truman Barnum.
Emil Bernard Anderson.	Giovanni Alphonso Barricelli, A. B.
Norman Edgar Anderson.	Mrs. Nancy Lee Bechtol.
Samuel Milligan Anderson, Ph.B.	Frank Pierce Beck.
Mary Ella Ash, B. S.	Viola Bandy Beck.
Mary Brooks Baird, A. B.	Orville Everett Beebe.
Frank Marion Barker, A. M.	Edith Stockton Birney.
Charles Edward Barnes.	Varilas Cleuthas Birney, Jr.

- George Franklin Blough.
 Charles Norman Bottum, B. S.
 Alice Barlow Brown.
 Thomas Albert Bryan.
 Thomas Ambrose Buchanan.
 Edwin Burchett.
 Charles Oliver Burgess.
 Edwin J. Butterfield.
 Jessie Drew Carpenter.
 William Francis Casavaw.
 Frank H. Clark.
 Harry Payne Clark.
 William Ross Claybaugh.
 Charles William Cleveland.
 Sylvan Gabriel Cohen.
 Mrs. Metta Viola Collins.
 Bernard Montrose Conley.
 Blanche Elizabeth Converse, A. B.
 John Harvey Copenhaver.
 Ely Rich Crew.
 Henry Thompson Cummings.
 Robert Griffin Dakin.
 Arthur Valentin De Neveu.
 Aria Louis Derdiger.
 Michael Ambrose Desmond.
 David Chilingworth Dodds, B. S.
 Lucius Boardman Donkle.
 Frederick Rhinhart Dorn.
 Clarence Hayes Doty.
 Clara Dunn.
 Mathew William Dvorak.
 Irving Herbert Eddy.
 Charles Lloyd Egbert.
 Richard Leonard Eldredge.
 Ransom Logan Estes.
 Fred Fanyo.
 Louis Walter Fee, B. S.
 Emil Otto Ficke.
 Oscar Gustav Fischer.
 Frank Christ Fisher.
 Clara Fogle.
 Harvey James Forbes.
 William Patrick Forkin.
 Lloyd Bartmess Foster.
 Louis Henry Frechtling.
 Edward John Fucik.
 Edward William Gag.
 George Albert Gardner.
 Louis Henry Geiger.
 Ezra Edward Geisel.
 Adolph Thomas Gilhas.
 Henry Enoch Goldberger, Ph.G.
 Julian J. Golembowski.
 Frederick Lantz Gourley.
 Walter Wood Greaves.
 Martha Anna Haeusler.
 Ollie Ellend Hagen.
 Charlton Edward Hagyard, Ph G.
 Milton Weston Hall, B. S.
 Calvin Willoughby Harrison, Ph. B.
 William Edward Hart.
 John Eddy Haskell, A. B.
 George Merrill Hawkins.
 Joseph William Helz.
 Meda Hess.
 Henry Augustin Hewins.
 Joseph Michael Hilger.
 Edward Marcellus Holmes.
 Philip Henry Holmes.
 Jacob Jesse Hood
 Ludwig Frederick Hooge.
 Archie Solomon Horn.
 Emil Otto Houda.
 George Herbert Howard.
 Lyston Drewette Howe.
 Edward Worthington Jackson.
 Harry Leonard Jacobs.
 Ernest Albert Jenkinson.
 Harriet Belle Jennings.
 Ralph Emitte Jennings.
 Anton Byron Jensen.
 Milton Dana Jewell, B. S.
 Julius A. Johnson, B. S.
 Lyford McChesney Johnson.
 Nellie Bernice Johnson.
 Margaret May Jones, B. S.
 Martin Thaddeus Joyce.
 Bernard Gerson Katz, Ph.C.
 Albert Theodore Kaupp.
 Zaroochi Serope Kavaljian.
 Harry Thomas Kenney.
 John Herbert Kincaid.
 Robert Crump King.
 Elwood Almon Kingston.
 L. Edgar Klinefelter,
 Maxmilian Kuznik.
 James Garfield Lamb
 David Ralph Landau, Ph.G.
 Henry William Lang.
 Mayer Harris Lebensohn.
 Edward Franklin Leonard.
 William Ernest Long.
 Harry C. McCarthy.
 Charles Elias McCarty.
 Michael Edward McGann.
 Burton Wilson Mack.
 Neil Munn McNeill.
 Clarence Lloyd McNett.
 William Dunn Madden.
 Bernard Sylvester Maloy.
 Charles Sylvester Mellen.
 Helena Bozena Molnar.
 Ernest Sisson Moore, Ph.D.
 Will H. Moore.
 Charles McRae Morgan, A. B.
 Carleton Spencer Myers.

Emanuel Ferdinand Napieraicki.
 Niels Nicoli John Nielsen.
 John J. Nowakowski.
 Marion Michael Null, B. S.
 Edward James Oberholtzer, Ph.G.
 Julius C. Osher, D. D. S.
 William Brigham Parkinson, Jr.
 Edward Patera, Ph.G.
 Henry Milton Penrice.
 Charles Eaton Phillips, A. B.
 William Chambers Phillips, Ph. G.
 William Aaron Pitzele.
 Frank Joseph Pokorney, Ph.G.
 Charles Wallace Poorman.
 Frank Waldemar Pope.
 Irving Angel Porges.
 William H. Porter.
 Lamar Matthew Power.
 John William Powers.
 Charles Wallace Ransom.
 Matthew Simpson Reay,
 Ernest Gray Reese, Ph.C.
 Emroy West Reeves.
 William M. Rightman.
 Emma Eliza Robbins.
 Nelson John Robbins.
 Harry Burton Roberts.
 Mrs. Esther Annie Ryerson.
 Helen Louise Ryerson.
 Lloyd Melville Sackett.
 Clark Edward Saunders.
 Norman Lee Seelye.
 Albert Christian William Seidel.
 William Arthur Shepherd.
 Joseph Johnston Sherrill.
 Leroy Hall Sibley.
 Charles Watson Snyder
 Gertrude Anna Spriggs.
 Roy Philson Stoops, A. B.
 Elgin Leroy Stoughton.
 Julia Clark Strawn.

Julius Hilton Sure.
 Ellis Frank Swarthout.
 Adam Szwarzkart.
 Frederick Almon Thayer.
 Benjamin Thomas.
 Matilda Minnis Thomas.
 Gertrude Frances Thompson.
 Laura S. Tomhagen.
 Frank Servetus Tufts.
 Daniel Greenwood Tweedall.
 Eva Prescott Ullman.
 Joseph Alfred Uran.
 Paul Robert Urmston.
 Harvey Marshal Vance.
 Harry Floyd Vaughan.
 Robert Von der Heydt.
 Henry McMunn Voris.
 Mrs. Rosa Vorsanger.
 Herbert Clarke Waddle.
 William Christian Wagner.
 John Poler Walsh.
 Francois John Theodorus Was.
 Guy Clifford Waufler.
 Newton Whitney Wear.
 Blanche Edith Webber.
 Josephine Ella Webster.
 James C. Weld.
 Nels Lawrence Werner.
 Walter Fred Wessels.
 Frank Perrine Whitehill.
 Henry Thomas Wichmann.
 Seth Wicks.
 Charles LaFayette Williams.
 Lamont Roy Willson.
 James William Wilson.
 Charles Walter Winn, Ph.C.
 Verne Ernest Winston.
 Wenzel Matthias Wochos.
 James Manley Wood.
 Thaddeus Z. Zelowski, Ph.G.
 James Aurelius Young.

Ad eundem Degree

John Tascher, M. D., Albuquerque, N. M.
 William M. Thompson, M. D., Chicago.

SCHOOL OF PHARMACY

For the Degree of Graduate in Pharmacy

Degrees conferred April 23, 1903, in Chicago.

William Kilian Ansonge.
 August Harvey Bauer.
 Carolyn Frances Beardsley.
 Ralph Foster Bogue.
 Hal Neuton Calhoun.

John Dixson Charters.
 Sidney Alvaro Denis.
 John William Drewitz.
 Cyril John Delbridge.
 Oscar Albert Fritz.

William G. Hermann Hagemann.
 Henry Timothy Hatton.
 Albert Philip Henke.
 Otto Hironimus.
 Harry Alling Hood.
 Henry Jurgen Huwald Jeronimus.
 Samuel Vasant Justus.
 John Martin Kappus.
 Emil Jan Karlovsky.
 August John Keopsell.
 Frank William Kraemer.
 Victor Emanuel Lawrence.
 Charles Stephen Marshall.
 Frederick Hugo Meyer.

Carl Frederick Mick.
 Walter Raymond Montgomery.
 Christ Jensen Orbesen.
 Lee Murray Pedigo.
 George William Pulford.
 Joe Griffith Rigg.
 George Saxe.
 Charles Henry Schafer.
 Michael Albert Sheblessy.
 Joseph Richard Shinnick.
 Henry Edgar Stadelman.
 Charles Nicholas Storkan.
 Fritz Voss.
 Harry Withycombe.

SCHOOL OF DENTISTRY

For the Degree of Doctor of Dental Surgery

Degrees conferred April 30, 1903, in Chicago

Lysle Edwin Adams.
 Conrad Frederick Altenberg.
 Edward Walter Applegate.
 Steven Richard Bawden.
 John Henry Bond.
 Alfred Alexander Broman.
 Harry Cadwallader.
 John Oscar Erlands.
 Charles Alfred Finley.
 Leo Gottleib.
 Arthur Raymond Greenfield.
 Oscar Jacob Hammersmith.
 Edward Alphonso Brackney Hanna.
 Harlow Henry Hill.
 Francis Albert Holly.
 Edward Hulla.
 Elmer Nichols Johnson.
 William Henry Karcher.
 Joseph Daniel McElroy.
 Alfred Leland Mann.

Tekla Magdalene Maturzynska.
 James Emmett Monahan.
 Martin Guy Murray.
 Alden Richard Newlin.
 Veo Erwin O'Neil.
 Seymour Davis Paden.
 George Fred Palmer.
 Guy Stanley Peck.
 William Morton Post.
 Niels Peter Rasmussen.
 John Edward Reinhold.
 Francis John Ryan.
 James Scott.
 Thomas Harvey Sprague.
 Frank Murray Stahl, B. S.
 Frederick Holstein Swartz.
 William Frank Taylor.
 William Henry Taylor.
 George Horace Wardner.
 Charles Edward Waterman, Jr

DEGREES CONFERRED IN 1903

College of Literature and Arts.....	57
College of Engineering.....	54
College of Science.....	30
College of Agriculture.....	9
College of Law.....	30
College of Medicine.....	218
School of Library Science.....	35
School of Pharmacy	38
School of Dentistry.....	40
Graduate School.....	19
Honorary Degrees.....	11
Whole Number of Degrees Conferred in 1903.....	541

UNIVERSITY OF ILLINOIS

DEGREES

1. IN THE COLLEGE OF LITERATURE AND ARTS the degree of Bachelor of Arts, A. B., in four-year courses, as follows:

1. General courses, offering a wide range of electives and classified according to the principal line of work chosen.
2. Specialized courses, or courses under the group system, including (a) the Classical Group, (b) the English Group, (c) the German and Romanic Language Group, (d) the Latin and Modern Language Group, (e) the Philosophical Group, (f) the Political Science Group, (g) the Business Group, (h) the Library Science Group.

2. IN THE COLLEGE OF ENGINEERING the degrees of Bachelor of Science, B. S., in four-year courses as follows: (1) In Architecture, (2) in Architectural Engineering, (3) in Civil Engineering, (4) in Electrical Engineering, (5) in Mechanical Engineering, (6) in Municipal and Sanitary Engineering, (7) in Railway Engineering.

3. IN THE COLLEGE OF SCIENCE the degree of Bachelor of Arts, A. B., (in special cases the degree of Bachelor of Science, B. S.), in four-year courses, as follows: (1) Chemistry, (2) General Science, (3) Household Science, (4) Mathematics, (5) Education, (6) Physics, (7) Preliminary to Medicine, (8) Library of Science.

4. IN THE COLLEGE OF AGRICULTURE the degree of Bachelor of Science, B. S., in four-year courses, distributed in departments of—(1) Agronomy, (2) Animal Husbandry, (3) Dairy Husbandry, (4) Horticulture, (5) Household Science, (6) Veterinary Science.

5. IN THE COLLEGE OF MEDICINE, College of Physicians and Surgeons, Chicago, the degree of Doctor of Medicine, M. D., in a four-year course in medicine and surgery.

A SCHOOL OF DENTISTRY was opened by the College of Medicine, October 1, 1901. The degree is Doctor of Dental Surgery, D. D. S.

6. IN THE COLLEGE OF LAW the degree of Bachelor of Laws, LL. B., in a three-year course in law.

7. IN THE SCHOOL OF LIBRARY SCIENCE the degree of Bachelor of Library Science, B. L. S., in a five-year course.

8. IN THE SCHOOL OF MUSIC the degree of Bachelor of Music, B. M., in four-year courses in vocal and instrumental music.

9. IN THE SCHOOL OF PHARMACY, Chicago College of Pharmacy, the degree of Graduate in Pharmacy, Ph.G., in a two-year course, and that of Pharmaceutical Chemist, Ph.C., in a three-year course, in Pharmacy.

10. IN THE GRADUATE SCHOOL the master's degree after the Bachelor's degree for one year of graduate work in arts, science, architecture, and Agriculture; the degree of Civil Engineer, C. E., Electrical Engineer, E. E., and Mechanical Engineer, M. E., after that of B. S., for one year of graduate work in the respective engineering courses; and the degree of Doctor of Philosophy, Ph.D., for three years of graduate work leading thereto.

THE UNIVERSITY OF ILLINOIS BULLETIN

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1904

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ALUMNI ASSOCIATION

OF THE

UNIVERSITY OF ILLINOIS



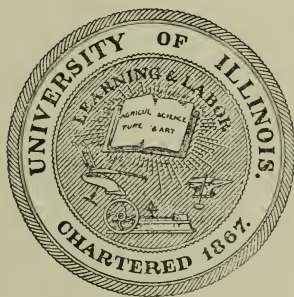
MEETING OF JUNE 7, 1904

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

PROCEEDINGS
AT THE MEETING OF THE
ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS

JUNE 7, 1904



ANNUAL ADDRESS BY
THOMAS FORSYTH HUNT, D. AGR.

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

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NOTICE—

I hope that without waiting for formal asking, I may receive early information of all matters concerning alumni which will be of interest to the Association.

Changes of residence and occupation are especially desired.

W. L. PILLSBURY,

Secretary

THE ALUMNUS AND HIS OPPORTUNITY

Address Delivered to the Alumni Association
of the University Illinois, June 7, 1904

... BY ...

THOMAS FORSYTH HUNT, '84

THE RISE OF THE PUBLIC SCHOOL SYSTEM.

"Religion, morality and knowledge being necessary to good government and the happiness of mankind, schools and the means of education shall be forever encouraged." Thus asserted the Congress of Confederation on July 13, 1787, when it passed the momentous Ordinance of the Northwest Territory. Aside from the Declaration of Independence and the Constitution of the United States, perhaps no more far reaching legislation has been enacted in this country than this now famous Ordinance. This Ordinance did not, however, establish a free public school system throughout the United States. The fight was long and bitter. Over two centuries ago, the Governor of Connecticut reported that one-fourth the taxes were used for the education of the youth of the colony. The very same year, the Governor of Virginia thanked God that they had neither a free press nor free schools. Less than 40 years ago, New York State, the Union's leading state in both population and wealth, maintained rate bills for fear of pauperizing its inhabitants. The Empire State now expends annually over 40 million dollars upon its free public schools and, as an earnest of its interest in the future welfare of its free schools, has recently dispossessed your alma mater of her able President.

In the United States, we keep, today, more than one-fifth our population in the school room. Free public schools are now not

only supported in every state in the Union but in many states, school privileges are positively guaranteed to every youth between the ages of 8 and 14. The states say to every parent, "We have a claim on your child, that is greater and more sacred than any you possess." Our public schools are our pride and our glory. They need neither commendation nor defense. They have the unqualified support of every man and woman in America. Increasingly liberal provisions for their maintenance will be provided until that eighth of our population over ten years of age who can neither read nor write has been brought out of the bondage of darkness—a bondage as great as that of slavery.

THE DEVELOPMENT OF THE STATE UNIVERSITY

As a fitting climax to this free public school education has come the State University, founded and endowed by the Nation; supported in increasingly large measure by the state. They are the logical outcome of the Ordinance of the Northwest Territory and the free public school system. When the Land Grant Act of 1862 was signed by Abraham Lincoln, there was no large University in America. In 1860, Yale had 521 and Harvard 451 students. In 1870,—about the time when most of the land grant colleges opened their doors, no other college, it is said, had 400 students. Today, a university counts itself small that does not give more degrees in one year than there were students in any single college in the United States a third of a century ago.

THEIR MISSION

The Land Grant Colleges and Universities stand for a type of education in many ways distinctly American. Like the lower schools they are democratic rather than aristocratic. While they may not have entirely realized the dream of Ezra Cornell to "found an institution where any person can find instruction in any study," they have established the principle that any subject may be made the means of education. They have not only established the principle that doing is the end of thinking,—that thought should lead to action,—but that doing is a means of making men and women see clearly and think accurately. They have learned to teach not only by books but by things; not only about the thing, but the thing itself. They have come also, to realize that education in and by

means of common things, not only serves utilitarian purposes, but may bring the student into touch with that which is highest and noblest in life.

These institutions are broad enough, deep enough, high enough, democratic enough to touch the daily lives and the thoughts of the highest and humblest. They are for the people, of the people, and by the people. They are the cap sheaf of our public school system. They are responsible to and should represent the best thought and aspirations of all the people. Nor do *they* need either commendation or defense. There can be no possible doubt that during the past decade they have won a place in the hearts and affections of the people.

THE UNIVERSITY A DOMINANT INFLUENCE

The University has become the dominant influence in American life. A large proportion of the men and women who teach its secondary schools, who preach in its pulpits, who edit its newspapers, who make its laws, who enforce justice, who finance great enterprises, who build bridges, who construct railways, who subjugate the forces of nature to man's uses, have come under the direct influence of this great system of University education and University life. Whatever influence may be exerted by the pulpit, the press, or the forum, whatever influence may be exerted by the farm, the factory, or the mart is exerted largely by men of University training. The University now educates men and women in so many walks of life that not a citizen of the country but what is touched directly or indirectly by the wand which it wields. If this is granted, and no one, I fancy, will deny it, it follows that the University wields a great power for the weal or woe of American daily life and that her inner life and influence deserves the closest possible scrutiny.

SOURCE OF STUDENT'S EDUCATION

It is a common maxim, almost, that the University student learns as much from his contact with the faculty and fellow students and from University affairs outside the class rooms as he does from his books, his lectures, and his laboratories. Without stopping to debate this proposition, if it is anywhere near the truth, is it not most important that that which he learns outside his class rooms and laboratories, shall be those things which work for the betterment of human society and American daily life,—things which are pure, and noble, and of good report?

PERILS OF RAPID GROWTH

The magnificent endowments in recent years,—national, state, and private,—to the state universities and other great universities, have been the pride and wonder of all peoples and justly so, but the quiet, unobtrusive, democratic, thinking man cannot help noticing that these institutions have not entirely escaped the dangers which befall those who suddenly become rich. Modest manners, plain living, and high thinking have always been rather difficult of acquirement among those whose incomes are ample. Few of us, I fear, practice plain living from high motives. Great, rapid growing institutions of learning, also, have their perils. It has always been difficult to maintain higher motives in an institution of learning than those possessed by the wives of the faculty.

THE PERILS OF THE FRESHMAN YEAR

One of the traditional functions of a commencement address is to give some parting advice to the graduates who are so soon to be thrown upon the cold and cruel world. I doubt not that every alumnus before me remembers his college days with pleasure and gratitude and doubtless, if of sufficient years standing, has seen many just as happy years out of college as he did in college. The fact is that the crisis of a young man's life usually comes to him when he enters college, not when he leaves it—upon matriculation, not after graduation. There comes to many a young man, the feeling reputed to a well known minister. "I felt when I became a freshman as though all restraint had been removed. I felt as though I could go to the Devil just as fast as I pleased." The mortality of the freshman year is a recognized phenomenon of university life. The cause of death may be financial, intellectual, moral, or simply shiftlessness. The man who survives the microbes incidental to this period is generally immune for the rest of his university life. The most important thing for the future of every university student is that he should come in contact with, at least, one inspiring instructor during his freshman year. The outlook upon life which he gets, the habits which he forms, the inspiration which he receives at this crisis are likely to abide with him forevermore. The sooner faculties come to learn that they are teaching students not subjects, the faster will their power grow apace. The almighty truths of the universe

are of little consequence unless some new conception of life and new powers have been gained by the student.

YOUTHFULNESS OF STATE UNIVERSITIES

Last June, there graduated from a Land Grant College, the eldest son of a member of the first graduating class. This institution opened its doors to students in 1870 and this was the first child of one of its graduates to follow in the intellectual footsteps of its parent. Nothing can better emphasize the youthfulness of that class of institutions to which belongs the University of Illinois with its nearly 4,000 students. These institutions are coming into a new era. The alumni are coming into a new position with regard to them. The university must satisfy the best conscience of its alumni. The alumni,—only a few at present, but as years go by much larger numbers—will have a new interest in their alma mater. They will no longer want it simply great because they are its children, but they will want it good because their children are the grand-children of the noble institution. These institutions of learning are to be put on trial by their alumni. The severest test an institution can stand is the willingness of its alumni to commit to its care that which is more precious than life, and, aye, more precious sometimes even than honor. However depraved a man or woman may be, he or she does not desire for his or her children anything but the pure, the good, and the noble. I have no doubt that the state universities will stand the test, but here among the alumni of one of them, among their friends and champions, it may not be entirely inappropriate to consider present tendencies and future possibilities, although every one must recognize the difficulties surrounding such discussion.

SOME ALUMNI VIEWS

A former student of a land grant college, a man prominent in the life of the university in his time, has two sons of college age. One is being educated as an engineer, but neither is being educated in college. This parent has no doubt of the ability of universities to teach engineering efficiently. There are probably other reasons for not sending them to college, but the opinion of this former student, of the usefulness of college bred men is not complimentary to his own college days. There is no reasonable doubt, that he him-

self learned more outside the class-room than he did in it. Had he not learned so much, his sons would probably now be college students.

An apparently very loyal and even enthusiastic alumnus has children whom he intends to send to college. He has no doubt of the educational power of the institution from which he graduated, but he has confided to a friend that he will probably send his children to some small college to be educated. A gentleman who has had two sons graduate told me that it took them four years to unlearn the habits of life which they acquired while in college, and for that reason will not permit a third son to take four years of university training.

I do not agree with these views, although all must recognize that they have some justification. On the other hand, I do not believe we should, like the proverbial ostrich, hide our heads in the sand and consider that we have thereby accomplished our salvation. If there are here and there tendencies to be regretted let us be brave enough to recognize and eradicate them. I am convinced that the university student by his daily life in college holds in his keeping the future of higher education in America. The vast majority of young men and women are essentially noble and their university life is characterized by high ideals and manly and womanly conduct. It is our duty to see to it that this condition of affairs always remain true. Neither education nor riches will avail, if man loses his moral fiber and strength of character.

OUR TRADITIONS

We must recognize that the State University occupies a comparatively new and untrodden field. The motives and traditions that have surrounded most institutions of higher learning in former generations are no longer applicable to state universities. Other sentiments, other traditions, and other motives must shape the destiny of these institutions. We have been building up a new type of education. We have been blazing the way without compass and without traditions to guide us. While we are building fine libraries and laboratories and equipping extensive farms and work shops, we must not forget that the habits, practices, and daily lives of faculty and students are becoming a part of the warp and woof of these institutions. It is important that both the thread and the filling shall be sound, pure, and clean.

GERMANIZING AMERICAN UNIVERSITIES.

I am not sorry that we have been without traditions. There are some traditions we do not need. A distinguished professor from Germany has been traveling about among some of the leading American universities, and has been widely reported to have advised their students to drink beer because it conduces to cheerfulness and hard work. The indebtedness of the American university to Germany is indeed very great, but some of its institutions we do not need to adopt and the Kneipe is one of them. Without discussing the habit of beer drinking it may safely be asserted that under the clear American skies, radiant with sunshine and vibrant with energy and hopefulness, the American student does not need beer to add to his cheerfulness. This is not a climate that fosters melancholy and suicide. And as for hard work, our experience with students hardly warrants the means. In America beer drinking students have not been distinguished for their academic honors. There is still ringing in our ears the remark of Bismark concerning German university students. He said: "One-third die out, one-third rot out, the other third rule Germany." We do not deny that the result is worth the price, but in America we believe the price is not necessary.

SENTIMENT GOVERNS

People are governed by sentiment, not by rules and regulations. At best, laws are but the expression of the sentiments of the majority of the people and are made to keep the comparatively few from offending the many. In few communities are rules and regulations of so little use as in a university. It may be doubted whether rules and regulations which touch the private lives of students, have any place in a university, but there can be no doubt as to the moral tone and daily practices which should pervade an institution of learning. The sentiment should be such that offences against law, order, and decency would not be possible. A few months ago, in a comparatively small college, the students, without the knowledge of the college authorities, publicly stripped the badges of authority from two officers of its battalion, and removed the offending students from college for indecent acts they had committed in private life. This may savor of lynch law but it indicates a healthy sentiment which should be universal.

PRACTICE, NOT PREACHING

Neither do we want preachment without practice. We do not want that sentiment which preaches sobriety at convocation at ten in the morning and dances a jig on the banquet table at ten in the evening, even though the preaching and the practice may be by different individuals. The jig will have more influence than the sermon, and will have just as wide an audience. The student body is not unlike the small boy and the Christian scientist. The Christian Healer found the boy doubled up under a green apple tree, groaning with pain. "My boy, you are not suffering. You just think you are. If you thought you didn't have a pain you wouldn't have one." "Madam, you do not understand," replied the boy, "I have inside information." While it is not true, it is a general belief in university life, as elsewhere, that what is good for the gander is good for the gosling. It not infrequently happens that enforcement of discipline is impaired because no definite line can be drawn between faculty and students.

NEITHER "SISSIES" NOR TOUGHS

Another small boy recently moved into a new community. After a month's time, the boy came to his father and said: "Papa, the boys around here are all either 'sissies' or toughs." The day of the cloister is gone. Education is no longer intended to draw men and women away from the world, but to prepare them to do the world's work. We do not wish to educate either "sissies" or toughs, but clean, wholesome, fun loving, active, energetic, hard working young men and women, who are willing to go out and do the world's work, do it well, and lend a hand to those who are less fortunate than themselves. These are the only acceptable products of higher education. Every healthful form of activity, whether mental or physical, which will help to develop the greatest power and the noblest actions should be encouraged. Much that is gross and offensive is unnecessary,—the result of a wrong point of view. It was Ruskin, I think, who said: "Art for art's sake is mud." Stunts for stunts' sake may get very close to the gutter.

THE INFLUENCE OF THE ALUMNUS

If the pinnacle of the system of public school education in America is to be kept clean and pure and sweet, by whose influence will

it be accomplished? What body of men and women more interested and more able to mold the sentiment and modify the traditions that surround it than its alumni? Where can the sentiment be made more effective than where men and women are educated upon equal footing and where are healthful and noble aspirations more needed? The duty of the alumnus is not complete, when he has drawn his check to the Christian associations, shouted himself hoarse at the Thanksgiving football game and helped to nominate alumni to trusteeships. These things are all good and worthy objects. If, however, the inner life and spirit of the University is to be touched effectively by the alumni, they must bring to it deeper forces. The profound convictions of alumni as to what is pure, and noble, and of good report will be of far more influence than money, or voice or votes.

This, then, is the opportunity of the alumnus: to keep the dear old alma mater to the best traditions of your college days; to foster that inner life which you found most helpful and inspiring. If there are here and there tendencies which later may lead to canker and decay; branches that are unlovely and diseased, bring forth your pruning hook and cut them off. By all means, fertilize the soil about its roots that it may grow large and mighty, but forget not the insidious foes which may attack leaves and bark. Spray them with a mixture that cleanses and purifies. Make it an object beautiful to look upon, healthy, vigorous, and noble. Keep it an institution where you can commit your sons and daughters in complete confidence that they will come forth clean and pure, contented and anxious to do the world's work, able and willing to make mankind happier and better."

BUSINESS MEETING

The meeting of the Alumni Association of the University was called to order by President S. A. Bullard at 10 o'clock Tuesday morning, June 7, 1904. The address on "The Alumnus and his Opportunity" was by Thomas F. Aunt, class of 1884.

At the business meeting which followed the address Hon. Frank White, '80, was elected President and Samuel W. Parr, '84, was elected Vice-President. T. A. Clark, '90, was elected to succeed himself on the Executive Committee. The other members of the Committee are M. Savage, '78, and C. B. Gibson, '77, whose term expires in 1905, and I. O. Baker, '74, and H. M. Dunlap, '75, whose term expires in 1906.

CANDIDATES FOR TRUSTEES

The Executive Committee, to which the Association had referred back its report of 1903, reported again on the question of devising a plan by which the members of the Association might exert a greater influence in the choice of Trustees of the University by offering the following extract from the report of 1903:

"Your Committee, after full consideration of the subject and after consulting with many friends of the University, has come to be of the opinion that it is not wise at this time to undertake the action proposed by the resolution. This Association is still very young, and the graduates of the University of Illinois have not yet become a considerable part of the political life of the state. There is also at the present time a feeling in some quarters that societies and associations should not be given any direct part in the choice of public officers. The Association may well wait for larger numbers and riper years before claiming any official part in the choice of members of the governing body of the University. In the meantime, graduates have many opportunities in their own communities to work effectively in behalf of the University. The Committee therefore recommends that this report be printed in the proceedings of the Association and that action on the resolution be deferred."

After a discussion which developed widely differing opinions the subject was referred to a special committee for further investigation and report. This committee, appointed by President Bullard,

is constituted as follows: C. B. Gibson, Chicago, Chairman; F. I. Mann, Gilman; I. S. Raymond, Sidney; H. M. Dunlap, Savoy; C. G. Neeley, Chicago; J. L. Going, Chicago; W. D. Roberts, Chicago; F. L. Hatch, Spring Grove; M. Savage, Champaign; W. N. Butler, Cairo; J. C. Llewellyn, Chicago; W. L. Abbott, Chicago; W. J. Bartholf, Chicago; T. W. B. Everhart, Mason City.

The Secretary, Mr. W. L. Pillsbury, distributed printed copies of the following statistics:

VITAL STATISTICS

Marriages—

- 1888. Charles Philip VanGundy and Esther Louise Bellis, October 21, 1903.
- 1889. Margaret Weston and Frank M. Van Osdel, June 16, 1903.
- 1890. Clarence Lincoln Crabbs and Jessie Elizabeth Cox, September 30, 1903.
- 1892. Joseph Piper Gulick and Lillian L. Terwilliger, November 20, 1900.
- 1893. William Townsend and Alberta Frances Baker, August 16, 1899.
- 1894. William Grant Spurgin and Anna McLeod, July 8, 1903.
- 1895. Clarence Adelbert Clement and Josie A. Mayo, December 18, 1901.
Milo Smith Ketchum and Esther Beatty, September 17, 1903.
Emery Stanford Hall and Clara L. Adams, June, 1900.
- 1896. Rachel Ellen Folger and R. H. Rhumphrey, January 28, 1903.
George Charles Liese and Mary E. Burton, September 1, 1903.
Percy Allyn Stone and Jessie A. Goltra, September 2, 1903.
- 1897. Ernest Browning Forbes and Lydia Maria Mather (1900), August 18, 1903.
Bert A. Gayman and Alice May Conlong, July 2, 1903.
Ralph Steele Shepardson and Jessie Younge Fox, June 5, 1903.
- 1898. Erwin Howard Berry and Daisy A. Hunter, June 10, 1903.
Thomas Milford Hatch and Elsie Marie Wood, January 7, 1904.
Harry Monroe May and Frances N. Howard, September 18, 1900.
Andrew Henry Neureuther and Nettie J. Robinson, October 15, 1903.
Edward Frederick Nickoley and Emma May Rhoads (1899), August 12, 1903.
Cicero Justice Polk and Margaret Riley, October 14, 1901.
George Joseph Ray and Edna Rose Hammers (1901), June 23, 1903.
Ora M. Rhodes and Myrlie J. Downs, May 8, 1902.
Stanley Livingston Soper and Mabel M. Dollison, January 1, 1903.
James Thompson Wolcott and Marie S. Ross, June 20, 1900.
- 1899. James Clifford Bradley and Dorothy Holland Sipe, June 1, 1904.
Edith Clark and Frank Burr, June 10, 1903.
Virginia Dinwiddie and Charles E. Piper, May 20, 1901.

- Alexander Dawes DuBois and Alma Margaret Houser, November 8, 1902.
- John Albert Foberg and Louise Julia Fountain, July 1, 1903.
- Winfred Dean Gerber and Jessie Fuller Davidson, August 27, 1902.
- Arthur Elijah Paine and Lovina Eaton, October 21, 1903.
- George Edward Tebbetts and Mary Louise McAlister, October 29, 1903.
- Ben: Perley Weaver and Lucile Anne Porter, September 16, 1903.
- Maurice Meacham Willcox and Eve Idell Dills, July 8, 1903.
1900. Hugh Joseph Graham and Clara Colgon, April 26, 1904.
- Rachelle Margaret Hanson and Raymond Bennett Gurley, April 7, 1902.
- Arthur Russell Johnston and Nettie S. Baker, October 28, 1903.
- Harvey Edgerton Wood and Blanche Lindsay June 30, 1902.
- Edwin Lyman Mayall and Olive Louise Ulrich, August 1, 1903.
- Ernest William Ponzer and Ella Eugenia Smith, August 20, 1903.
- Harvey Allen Soverhill and Edith D. Payne, April 12, 1904.
- Seth Fields VanPatten and Lenora B. Thompson, September 2, 1903.
- Walter Simeon Tyler and Margaret E. Taylor, March 9, 1901.
1901. Charles Hiram Chapman and Nelle Perkins, July 15, 1903.
- Donald Herbert Bailey and Ruby L. Berry, July 29, 1903.
- Florence Emeline Carter and Eaton Goodell Sherman, July 21, 1903.
- Harry Augustus Coffman and Jessie Trotter, November 12, 1903.
- Edward Murray East and Mary Lawrence Boggs, September 2, 1903.
- Mary Harriett Kittredge and Dr. James A. Brown, October 7, 1903.
- Percy Almerin Smith and Charlotte Enid Draper (1902), October 20, 1903.
- John James Tunnicliff and Ella Blanche McLaughlin, October 23, 1901.
1902. Florence Jennie Beebe and Harry McCarthy (1902), April 20, 1904.
- Dwight Stout Dalbey and Hanna V. Lewis, December 23, 1903.
- Leslie Abram Waterbury and Ethel Clair Miller, September 2, 1903.
1903. Mildred Anne Burrill and Hal Marot Stone (1903), November 11, 1903.
- Bertha Alma Dodge and Harry L. Piper, December 24, 1903.
- Clarence Green and Bessie Nola Butler, December 29, 1903.
- John Albert McFarland and Paula Siegel, September 1, 1903.
- John Henry Schacht and Maude M. Smith, April 6, 1904.
- John Jack Spriggs and Edna Cecilia Vance (1903), June 10, 1903.
- Leonard Frederick Stuebe and Elizabeth T. Cobine, September 15, 1903.
1904. Leonard John Lease and Winebelle Lacy, May 24, 1904.

Deaths—

1878. Henry W. Zimmerman, died at Peru, July 21, 1903.

1879. Nettie Dousman Kimberlin, died at Milwaukee, January 19, 1904.
1898. James Thompson Wolcott, died at Ft. Worth, Tex., February 9, 1904.
1901. Ralph Ewing Stevenson, died at Bloomington, February 6, 1904.
1902. Frank Bernard Collis, died at Norwich, Conn., November 5, 1903.
Brown Irwin McIlvaine, died at Tuscola, January 19, 1902.
Alice Rose, died at Ashton, October 3, 1903.

It was voted to ask the Board of Trustees to appropriate \$150 or so much as might be needed for the printing and distribution of the proceedings of this meeting of the Association.

It was voted to admit to membership in the Association the graduates of the University who should receive diplomas at commencement the next day.

Upon vote of the Association President Bullard appointed committees who have filed with the Secretary the following papers :

IN MEMORY OF PROFESSOR EDWARD SNYDER

It has been the will of the All-Wise ruler to take from the living our esteemed instructor and loved friend Professor Edward Snyder.

While we mourn for him gone, we revere his memory and are resolved to emulate his example which was cheerful, benevolent, and hope-inspiring.

His untiring devotion to our Alma Mater and the gift of his fortune for the use of students needing financial aid in completing their University education was but an earnest of his great loving heart.

For the example of his life we owe a debt of gratitude that cannot be measured in words and we shall ever cherish with affection and respect the memory of his honorable and useful life.

We express our sincere sympathy with the companion of his heart, who shared with him the joys of his kindly deeds.

F. L. HATCH,
H. M. DUNLAP,
I. O. BAKER.

IN MEMORY OF PROFESSOR ARTHUR WILLIAM PALMER

In the death of Professor Arthur W. Palmer the Alumni Association has suffered a serious loss. It has probably fallen to the lot of but few to have an acquaintance extending over so wide a range of our membership. Commensurate with his acquaintance

also was the esteem in which he was held both for his personal qualities and the wealth of his professional attainments. The contribution of his powers was given with unflagging energy to the public, to science, to our Alma Mater, to the home. With all we mingle our sorrow and add here the testimony of our appreciation of the life and accomplishment of one of the most gifted sons of the University of Illinois.

S. W. PARR,
C. B. GIBSON,
F. D. RUGG.

IN HONOR OF PRESIDENT ANDREW SLOAN DRAPER
DEAR DOCTOR DRAPER,—

In view of the severance of your connection with the University of Illinois the graduates of this University desire to express to you their appreciation of your work among us during the past ten years.

The alumni of the University of Illinois feel especially indebted to you, because the strength which comes to a University through a numerous alumni has in a large measure come to the University of Illinois during your presidency and through the work which you did in enlarging the usefulness of the University and in increasing the number of its students.

You encouraged and promoted sound scholarship and sterling manhood and womanhood in all who came in contact with you. Your interest in all student affairs, in the various activities which go to make well-rounded men and women, and your broad sympathy with the students in their endeavors and their mistakes were a helpful and an ever-present influence for good.

Your wise judgment in the management of the financial matters of the University, especially at a time when affairs were in such a critical condition that the whole future of the institution seemed imperiled, put the University on a sound financial basis and won the admiration and the respect of every loyal alumnus.

Under your guidance a great University organization was perfected, the many and increased interests of the institution were brought into harmonious and effective relations with each other, and, as a whole, with the educational system of the state. Your administration did much more, but especially it gained for the University among the prominent men in all departments of industry and activity of the state a respect which it had never before enjoyed.

The good wishes of the alumni go with you to your new work. They regret sincerely your loss to the educational interests of the State of Illinois, but they wish to express their sincere appreciation of the greatness and the permanence of your work for their Alma Mater. Very respectfully yours,

J. M. WHITE,
W. A. HEATH,
T. A. CLARK,
Committee.

A vote of thanks was tendered Dr. Hunt for his address.
The Association adjourned.

W. L. PILLSBURY, Secretary.

BANQUET

ARMORY, HALF-PAST TWELVE O'CLOCK

ANNUAL DINNER

MENU

SALTED PEANUTS	RADISHES	MIDGET PICKLES
SLICED HAM		VEAL CROQUETTES
WHITE AND BROWN BREAD AND BUTTER SANDWICHES		
VEGETABLE SALAD WITH MUSHROOMS		
ZEPHYR WAFERS		
ICE CREAM		CAKE
COFFEE	MINT LEMONADE	

TOASTS

TOASTMASTER, - - -	JUDGE WILLIAM BUTLER, '79
<i>The Alumnus and His Alma Mater</i>	<i>George Andrew Barr, '97</i>
<i>The Foes of a Physician</i>	<i>Dr. Cleaves Bennett, 89</i>
<i>The Alumnus and the State</i>	<i>Governor Willis F. Bailey, ex-'80</i>
<i>The Girls of Long Ago</i>	<i>Nettie Adams Wilson, '77</i>
<i>At Parting</i>	<i>Irving Mark Western, '04</i>
<i>The College Graduate in Politics</i>	<i>Governor Frank White, '80</i>
<i>Your University and Mine</i>	<i>President Andrew Sloan Draper</i>

UNIVERSITY OF ILLINOIS

THIRTY-THIRD

ANNUAL COMMENCEMENT

AT THE ARMORY

WEDNESDAY, JUNE 8, 1904

TEN O'CLOCK A. M.

PROGRAM

Scriptures and Prayer - - - - Rev. A. J. Berger

Selection from "Lucia" - - - - - *Donizetti*

MILITARY BAND

Address - - - - - Senator Charles W. Fairbanks

Romance - - - - - - - - *Kegel*

MILITARY BAND

Conferring Degrees - - - President Andrew S. Draper, LL.D.

Coronation March - - - - - - *Meyerbeer*

MILITARY BAND

COLLEGE OF LITERATURE AND ARTS

For the Degree of Bachelor of Arts in Specialized Courses—Theses Required

- JOHN EDWARD ANDERSON...A Study of the Relation of Church and State in the American Colonies
- RALPH STANLEY BAUER....First Year Latin Books: Their Method and Arrangement
- FRANK SMITH BOGARDUS.....Higher Education in Early Illinois
- CARY CLIVE BURFORD..An Analysis of the Population of Illinois Previous to 1840
- LAURA DAYTON..Claudii Claudiani, De Raptu Proserpinæ, Liber Tertius Introduction, Translation, Notes and Vocabulary
- KARL BIRD SEIBEL.....Asset Currency
- FRANK RUDOLPH WILEY.....The Promoter and His Methods

In General Courses

- | | |
|----------------------------|-----------------------------|
| BLANCHE ALDRICH | TIMOTHY OSMOND HOLCOMB, JR. |
| CARL ELMER ARMELING | MABEL DOROTHY HUNT |
| JAMES RUSSELL BENSON | LUCILE JONES |
| JOHN DOUGLAS BLOCHER | NOAH KNAPP |
| HELEN ETHEL BOOKER | MARTHA CAROLINE KOEHN |
| ALDA HOLDERMAN BORN | LEILA SARA LOVE |
| OLIN LORRAINE BROWDER | ELIZABETH DELILAH McCLURE |
| CAMILLA MARGARET BRUNNER | MAUDE MANGAS |
| MURIEL FLORENCE CAMPBELL | PEARLE MANSPEAKER |
| LUCY CHAPIN | ELVIRA ELLEN MARK |
| ANGIE RAY CLARK | MYRA ABBIE MATHER |
| EMO LIZZIE COLE | IVA ESTHER MERCER |
| FRED CRESAP | HELEN ANDROMACHE NAYLOR |
| TRELLA JANE CRESAP | FREDERICK DAVID NIEDERMAYER |
| MERTIE MAY DILLON | FRED MYRINE OUTHOUSE |
| FREDERIC HUGO DOEDEN | FLORENCE ELIZABETH PITTS |
| ARCHIE BLAND DORMAN | JOHN LUTHER POLK |
| EARL LEROY DUELL | LIDA ELIZABETH POPEJOY |
| LLOYD EDWIN ENGEL | LEE WILLARD RAILSBACK |
| KENNETH NEILL EVANS | CLARA ANN RANSON |
| CLARENCE EARL FLEMING | EDWARD ALEXANDER RENICH |
| ELMER LOGAN GARNETT | CLAUDE WINFRED RICH |
| CHARLOTTE MITCHELL GIBBS | CHARLES SCAMON RODMAN |
| LOUELLA IDA GILLESPIE | CHARLES CRECY ROYALL |
| CELLA GENEVIEVE GREEN | INEZ ROSE SAMSON |
| ELIZABETH GROSVENOR GREENE | RUDOLPH ERNST SCHREIBER |
| ALTHA HAVILAND | ROY VINCENT SEYMOUR |
| ELIZABETH LENA HAWTHORNE | THEODORA SHOEMAKER |
| FRED LEIDY HOLCH | AIMEE MAY SIDES |
| | CLARA LOUISE SOMMER |

MILDRED ELIZA SONNTAG
ANNIE ELNORA SPARKS
ISABEL STALEY
HELEN FLORENCE STOOKEY
GEORGE GRAHAM TAYLOR
CLARA EUGENIA TRIMBLE
LEWIS BUTLER TUTHILL
NELLIE WETZEL

CAROLINE LOUISE WHITE
MARY EDITH WILLIAMS
CHARLES GORHAM WILSON
JOHN GUY WILSON
EMMA MARIE WITTLINGER
EDNA MCCLUSKEY WORK
ELLA EUGENIA WORTHEN
EARL LAYTON YOCUM

For the Degree of Bachelor of Arts in Library Science.

MARY MATILDA BEVANS
BERTHA JULIA BOND
ELIZABETH ELEANOR CALDWELL
WILHELMINA ELLEN CAROTHERS
ALICE GREENWOOD DERBY Ph.B.,
(Ohio State Univ.) 1901
LILLIAN MABEL GEORGE
MABEL GREENE, Pd M. (Coll. City of
N. Y.) 1892
CLARISSA LOUISE HOWELL

MARTHA EDITH MOLES
MARY ANDERSON OSGOOD
ANNA SHAW PINKUM, B.L. (Univ. of
Wis.) 1899.
ESTHER ANNA SMITH, A.B. (Univ. of
Mich.) 1903.
FLORENCE SEBRING SMITH, A.M.,
(Univ. of Neb.) 1898.
GRACE ELLEN SWITZER, Ph.B. (Univ.
of Ia.) 1902

COLLEGE OF ENGINEERING

For the Degree of Bachelor of Science In Architecture

RALPH ELLIOTT ABELL.....An American Embassy in Italy
WALTER THOMAS BAILEY.....A County Court House
RALPH ROYAL BURGESS..Grouping Public Buildings in Champaign, Illinois
OTTO JANSSEN.....A Public Trade School
NEIL McMILLAN, JR.....A Large Hotel in the Mountains of South Carolina
FRED CHARLES MILLERA Private Hospital
FRED LEWIS MUHL.....A Carnegie Library
ETHEL RICKER.....A Summer Resort
SHERMAN THOMPSON.....An Architect's Studio
JOHN TERRELL VAWTER, JR...A Physical Laboratory for the University of
Illinois

In Architectural Engineering

ARTHUR WILLIAM ALLEN..Value of Concrete for Reinforcing Steel I Beams
WILLIAM ALONZO ETHERTON..An Apparatus for Testing the Relative Values
of Insulated Walls for Cold Storage Buildings
PAUL BOND GLASSCO.....Value of Concrete for Reinforcing Steel I Beams

In Civil Engineering

ADOLPHUS EDWARD ASKINS...Office Practice in Designing Steel Frame
Buildings
ROY JABEZ BLACKBURN.....Tests of Plain and Reinforced Concrete Beams
SEYMOUR DEWEY BROWN.....Tests of Plain and Reinforced Concrete Beams
FRED HENRY BURGESS..Relative Strength and Cost of Natural and Portland-
Cement Concrete

- HENRY CAMILLE DADANT..Dam Across the Mississippi River at Keokuk, Iowa
 CLEON LESLIE DAVIS.....Concrete for Highway Bridge Floors
 JOHN WOLFERSPERGER DAVIS....The Adhesive Bond of Steel and Concrete
 FRED JOHN DEUTSCHMANN, JR.....Tests of Paving Bricks and Blocks
 CLYDE EARL DURLAND.Burned Clay as Material for Concrete
 TORRIS EIDE.....Water Hammer in Pipes
 LAMBERT THEODORE ERICSON..Comparative Designs for a 100-foot Concrete
 Railway Arch Bridge
 WILLIAM HIRAM FURSMAN.....Design of a Foundry Building
 PHILIP DAKIN GILLHAM..Design of a Concrete Arch for Race Street, Urbana,
 Illinois
 CARL LOUIS GINZEL.....Design for Steel-Frame Grand Stand
 THOMAS SLOAN HEWERDINE..Effect of Water on Tensile Strength of Cement
 EDWIN BENJAMIN KARNOPP.....Effect of Sea Water on Concrete
 WILLIAM ASHWAY MCCULLY..Materials Required for a Unit of Volume of
 Concrete
 FLOYD EARL MILLS.....Tests of Plain and Reinforced Concrete Beams
 HENRY CHARLES MORSE.....Tests of Paving Brick
 ANDREW MUNSEN..Construction of 60-foot Concrete Arch on Illinois Central
 Railroad
 HOWARD BRUCE MURPHY.....Holding Power of Drift Bolts
 JOHN FREDERICK PETERSON.....Calibration of Pitot Tubes
 AUGUSTUS JOSEPH REEF..Design of Hoisting, Screening, and Washing Plant
 for Coal Mine
 ROBERT BENNETT ROULSTON.....Methods of Steel-Concrete Construction
 GUY HENRY RUMP.....Stone Screenings as a Substitute for Natural Sand
 HUGO SPEIDEL
 CARL WILLIAM SIMPSON.....Design of an Interlocking Plant at Champaign
 SMITH LEROY STROUD.....Report upon a Highway Bridge
 ROY ELMER TRAVIS.....Comparison of Specifications for Railroad Bridges
 CARROLL CARSON WILEY.....Entrance Head and Discharge Head in Pipes
 JOSEPH CARL WORRELL..Preliminary and Location Work on Chicago and
 North-Western Railroad

In Electrical Engineering

- DAVID ARTHUR BAER.....Design and Specifications of a Unipolar Dynamo
 JOHN LEE BUCHANAN..Analysis of Operation of the Champaign-Danville
 Interurban Electric Railway
 THOMAS AQUILLA CLARK....Design of Switchboard for University of Illinois
 ARTHUR GARFIELD DIEFENBACH..Review of Blue Island (Illinois) Electric
 Power Plant
 CARL JOSHUA FLETCHER.....Effect of Frequency in Alternating Incandescent
 Lighting
 BURTON FRENCH.....Transmission Line Calculations
 LUDWIG GUTMANN.....Automatic Regulation of Alternating Generators and
 Circuits
 FRANK WYMAN HILLIARD.....Station Test Champaign Power Plant
 CLARENCE EUGENE HOLCOMB..Steam Heating from Electric Lighting Plants
 RAY LEEKLEY HORR.....Tests upon a Variable Reluctance Motor

DAVID HENRY KELLY.....	Design of an Inductor Generator
HARRY BERTRAM KIRCHER....	Steam Heating from Electric Lighting Plants
LEONARD JOHN LEASE.....	Electrodeposition of Brass
JOHN FRED McCULLOUGH..	Design of a Telegraph and Telephone Laboratory
CLARENCE EUGENE MEAD..	Analysis of Operation of the Champaign Danville Interurban Electric Railway
GEORGE ALBERT RILEY.....	Effect of Frequency in Alternating Incandes- cent Lighting
JOHN ORLO TAYLOR.....	Transmission Line Calculations
PETER FREDERICK WILLIAM TIMM..	Tests upon a Variable Reluctance Motor
GEORGE GARRET VANHORNE..	Design and Specifications of a Unipolar Dynamo
WILLIAM HENRY WEHMEIER.....	Station Test Champaign Power Plant

In Mechanical Engineering

RALPH ADAMS BALLINGER.....	Construction of an Inertia Governor
HAROLD HENDRYX BARTER..	Design of Apparatus for Experiments in Coun- terbalancing
EDWARD AUGUST DIETERLE.....	The Small Gas Producer
HENRY BERNHARD DIRKS.....	A Proposed Course in Advanced Kinematics
FRANK LEON DREW.....	Power Required to Drive Machine Tools
EDWARD GOLLERT EIDAM..	Review of the Urbana and Champaign Street Railway Power and Heating Plant
SAMUEL BARRY FLAGG.....	Dynamometer Car Tests for 1903-4
NEWTON DAVID GASTON.....	Methods of Determining Costs of Manufacture
FRANK STANLEY HADFIELD.....	Automobiles
CHARLES WESLEY HAWES, JR.....	Boiler Tests with Illinois Coals
FRANK HAMILTON KNEELAND.....	Railway Shops and Power Stations
HENRY KREISINGER.....	Heating by Reverse Cycles
ERNEST RICHARD LEVERTON..	Tests of Illinois Coals on Chain-Grate Stoker
ALBERT EDWIN LOGEMAN.....	Smoke Prevention
FREDERICK EDWIN LOOSLEY....	500 H. P. Boiler Setting for University of Illinois (Plans and Specifications)
THOMAS ALFRED MARSH....	Tests of Illinois Coals on a Chain-Grate Stoker
WILLIAM ANDERSON MISKIMEN..	Transmission of Heat through Scaled Boiler Tubes
JACOB WILLIAM MUELLER.....	Hot Blast Heating Systems
WILLIAM MANSFIELD PARK.....	Design of a Steam Hammer
RAEBURN HENRY POST.....	Tests of Traction Engines
LLEWELLYN SYLVESTER RICHARDS..	Experiments with Various Types of Gasoline Engines
CHARLES HARPER SHELDON..	The Center of Manufacturing in the United States
LEWIS ALVA STEPHENSON.....	The Steam Turbine
ROBERT JAQUESS STEWART.....	The Cost of Freight Transportation
CHARLES NEWHALL STONE....	Transmission of Heat Through Scaled Boiler Tubes

CHARLES PHILIP TURNER.....Efficiency Tests of Hoisting Appliances
 HARRY WILLIAM WEEKS, A.B. (Lombard Col.) 1900..Experiments with Various Types of Gasoline Engines
 WALLACE KENNETH WILFY.....Appliances for the Use of Compressed Air
 NORMAN CHARLES WOODIN.....A Study of Agricultural Implements
 JOSEPH GARFIELD WORKER.....Dynamometer Car Tests for 1903-4
 WARD ELLIS WIRGHT.....Tests of Traction Engines

In Municipal and Sanitary Engineering

ROY VICTOR ENGSTROM.....Tests of Plain and Reinforced Concrete Beams
 SMITH TOMPKINS HENRY, JR..The Filtration Plant of the Danville Water Company
 WILLIAM ASBURY MCKNIGHT..The Development of Sanitation and Sanitary Engineering

In Railway Engineering

FRED CLIFFORD CARRIEL.....Boiler Tests with Illinois Coals

COLLEGE OF SCIENCE

For the Degree of Bachelor of Arts

In General Science

With Thesis

WILLIAM SALISBURY BALLARD..The Effect of Antipyrin on the Vegetable Cell

Without Thesis

EDWARD CHAPMAN CONVERSE	MARY JANE SLOCUM
MARY ELIZABETH McILHENNY	HENRY WILLIAM SMITH
TOKUJO OGIHARA	MAHLON SMITH VANCE
EUGENE MARTIN PHILLIPS	

In Preliminary Medical Course

FREDERICK CUTTLE, M. D., 1904	NELSON CASE MORROW
IRA CHASE HARMAN	CYRUS FORSYTH NEWCOMB, M.D., 1904
GEORGE JOHN MAUTZ	CARLYLE NANCE SHILTON

In Chemistry

PERRY BARKER.....Determination of Phosphates in Water Colorimetrically
 WALTER CHARLES EMIL BRAUN.....Hydrolysis of Proteids
 CHARLES EDWARDS.....Determination of Carbon in Organic Substances
 JOSIAH GORHAM..Separation of Potassium and Sodium by Use of Persulphate
 ROY WILSON HILTS.....Composition of Cements
 JESSE ROY POWELL.....Hydrolysis of Proteids
 BUTON B WILCOX.....Synthesis of Amido-Acids

In Library Science

LORENA WEBBER, B. S.

In Mathematics

- MAUD MAY PATTERSON....A Study of the Conditions under which Taylor's Theorem will hold
 ELSIE MAY TAYLOR.....The Properties of Certain Invariant Curves

COLLEGE OF AGRICULTURE**For the Degree of Bachelor of Science****In Agriculture**

- JAMES ANSEL DEWEY, M.S., 1898..A Comparison of Methods of Feeding in Beef Production
 RALPH BARNARD HOWE.....An Investigation of Retail Vegetable Seeds
 JOHN McCARTY.....Silage as a Factor in Beef Production
 CHARLES JUDSON MANN..A Study of the Soils of Bois de Arc Farm (near Gilman, Ill.) with a Soil Map of Same
 GEORGE REQUA MARSH.....The Comparative Value of Different Forms of Phosphorus Fertilizers
 AARON W MINER.....Silage as a Factor in Beef Production
 CHARLES ALFRED OCOCK.....Draft Tests of Plows
 JEROME EDWARD READHIMER Legumes on Illinois Soils
 ROLLO GAUN RIDDLE..Vitality of Seed Corn under Various Conditions of Environment
 ARTHUR PLATT SEYMOUR..The Reclamation of the Alkali Soils Found in Humid Regions.
 JAMES RICKETTS SHINN..Injuries to Apples by the Plum and the Apple Curculios
 LEROY C WILSON...A Study of the Principal Type of Soil of the Lower Illinoisan Glaciation, with Special Reference to the Effect of Legumes upon it
 LEWIS W WISE.....The Place of Forage Crops in Pork Production
 EDMUND LOUIS WORTHEN..A Study of the Principal Type of Soil of the Lower Illinoisan Glaciation with Special Reference to the Effect of Legumes upon it

In Household Science

IDA MAY PEARSON

ANNA RIEHL

COLLEGE OF LAW**For the Degree of Bachelor of Laws**

- | | |
|-----------------------------------|----------------------------------|
| CHARLES GUY BRIGGLE | CHARLES NICHOLAS CASEY |
| RAPHAEL PARMER BUNDY, A. B., 1902 | CLINTON OLIVER CLARK |
| JOHN HERMAN BURKHARDT | LORIN CLARK |
| ASHTON ELLSWORTH CAMPBELL, | HOMER CLARENCE COEN, A. B., 1903 |
| A. B., 1901 | LEONARD ALLEN COLP |

MANFORD E COX	FRANK MERRILL LINDSAY
JOHN LEWIS DRYER	GEORGE HARVEY MCKINLEY, JR.
DEAN FRANKLIN	WILLIAM ANTHONY MEDILL
HIRAM RICHARD GLICK	CHARLES MYERS MORRIS
BARTLETT STEPHEN GRAY	CALTON WILLIAM PARKER
GEORGE WARREN HUNT	LYLE DONOVAN PERRIGO
JOHN WILLIAM JONES	EDWIN LINDSAY POOR, B. S., 1902
WILLIAM GEORGE KAESER	FRANCIS MARION POWERS
CLOYD ELIAS KEITH	WILLIAM SCHENCK PRETTYMAN
LEROY KERSHAW	HENRY THEODORE SCHUMACHER
DANIEL CLEMENT KETCHUM,	HAROLD FRANK TRIPP
A. B., 1899	LEWIS BUTLER TUTHILL
STEWART WILLIAM KINCAID,	RICHARD PERCIVAL VICKRAGE
A. B., 1902	IRVING MARK WESTERN, A. B., 1902
JOHN FELIX KYTE	WILLIAM WILBERFORCE WRIGHT, JR.
JAE ERNEST LEAVERTON	
WALTER CHARLES LINDLEY,	
A. B., 1901	

SCHOOL OF LIBRARY SCIENCE

For the Degree of Bachelor of Library Science

- MARY MATILDA BEVANS..Partial Bibliography of Works of Michael Angelo
- MARY JOSEPHINE BOOTH, A.B., (Beloit Coll.), 1900..Partial List of Subject Bibliographies regularly appearing in Periodicals.
- GERTRUDE AMELIA BUCK.....School Library Handbook
- MABEL ETTA CAFKY.....Analysis of Historical Fiction for Stuart Period
- EDNA CLARKSON.....Missouri Libraries
- ORRILL PAULINE COOLIDGE.....Descriptive List of Fifty Publishers' Series
- ALICE BOURLAND COY..Bibliography of the Arts and Crafts Movement in America.
- MABEL KATHERINE DAVISON.....The Joliet Public Library
- CAROLINE KATHARINE FOSTER..Partial Bibliography of Dutch Painters and their Works.
- PEARLE FRANKENBERG.....Partial Bibliography of Works of Titian
- MARGARET AMIDON GRAMESLY.....The Picture Book and its Illustrators
- MRS. GERTRUDE FOX HESS.....Hand-book of Libraries of Columbus, Ohio
- NELLIE GOODWIN HEWITT, A.B., (Wells College), 1898..Analysis of Historical Fiction for Period of Napoleon I. and the First Empire.
- HARRIET HOLDERMAN.....Pictorial Index to Hawthorne's Marble Faun
- EDNA HOPKINS, A.B., (University of Cincinnati), 1902..Analysis of Historical Fiction for the Period of the French Revolution.
- CHARLOTTE MAY JACKSON..Pictorial Index to Hawthorne's Grandfather's Chair.
- LELIA PAULINE KING....Partial Bibliography of Yellowstone National Park
- RENA AVIS LUCAS.....French University Libraries
- JOHN JAMES MCCARTHY.....Small Library Buildings since 1890

- ISABELLA JANE McCULLOCH, B.L., (University of Wisconsin), 1897.... Partial Bibliography of the Trans-Siberian Railway.
- ERMA JANE MOORE... Pictorial Index to Mythological Characters in Tennyson's Princess.
- MABEL PERRY..... German University Libraries
- INEZ CHARLOTTE PIERCE... Bibliography of Folk Songs of Middle Europe before the 16th Century.
- BERTHA ELLA ROYCE... Pictorial Index to Mythological Characters in Hawthorne's Wonder Book.
- ELLEN MARY SCHAEFER..... The Fiction Question in Public Libraries
- EDNA WEAVER SHELDON... Analysis of Historical Fiction for Period of American Revolution.
- BELLE SWEET... \$3,000 Supplementary Order List for Clinton (Iowa) Public Library.
- ANNA DAVID WHITE... Descriptive List of 150 Periodicals for a Public Library.
- ALICE LOUISE WING... Traveling Libraries in New York, Michigan, Wisconsin, and Iowa.
- IDA FAYE WRIGHT... Descriptive List of 150 Periodicals for a Public Library

GRADUATE SCHOOL

For the Degree of Master of Arts

- MARY ANDERSON, A. B., 1903.... The Application of Single Limits to Certain Theorems in the Functions of Real Variables.
- OLIVER MORTON DICKERSON, A. B., 1903.... The British Board of Trade: A Study of its Influence in Colonial Administration, with special Reference to New York, 1696-1754
- FRANCES EMELINE GILKERSON, A. B., 1903..... Introduction and Notes to Kleist's "Die Hermannsschlacht."
- HENRY ALLAN GLEASON, B. S., 1901.... The Vegetation of the Ozark Region in Southern Illinois.
- LAWRENCE FRED LARSON, A. B., 1903..... Dividend Paying Methods and Power of Old Line Insurance Companies.
- ERNEST BARNES LYTLE, B. S., 1901... The Conditions under which a Function may be represented by an Infinite Series.
- MARTHA DEETTE ROLFE, B. S., 1900..... A Study of Illinois Physiography
- FRED JOHN SMITH, A. B., (Iowa Wesleyan University), 1899... A Comparative Study of Goethe's "Gotz von Berlichingen" and Kleist's "Michael Kohlhaas."
- MIRIAM URSULA WELLES, A. B., 1903.... Epithelial Degeneration, Regeneration and Secretion in the Mid-Intestine of Collembola.
- SADIE YOUNG, B. S., (University of Florida), 1902..... A Study of Shylock

For the Degree of Master of Science

- EDWARD MURRAY EAST, B. S., 1901.... The Improvement of the Irish Potato: A Preliminary Study.

For the Degree of Master of Architecture

JOSEPH WADE WILSON, B. S., 1903....Group of Buildings for the Chautauqua National Assembly at Chautauqua, New York.

For the Degree of Mechanical Engineer

GEORGE LYMAN GRIMES, B. S., 1897.....Molding Machines
WILLIAM LAMONT ABBOTT

HONORS

Honors have been awarded by the Faculty for scholarship as follows:

SPECIAL HONORS

In the College of Literature and Arts

John Edward Anderson, of Paxton, Ill., in History.
Frederick David Niedermeyer, of Decatur, Ill., in Education.

In the College of Engineering

John Orlo Taylor, of Champaign, Ill., in Electrical Engineering.
Roy Victor Engstrom, of Peoria, Ill., in Municipal and Sanitary Engineering.

In the College of Science

William Salisbury Ballard, of Batavia, Ill., in Botany.
Walter Charles Emil Braun, of Chicago, Ill., in Chemistry.

In the College of Agriculture

James Ricketts Shinn, of Mattoon, Ill., in Horticulture

FINAL HONORS

In the College of Literature and Arts

Elmer Logan Garnett, of St. Mary's, Ill.
Elizabeth Grosvenor Greene, of Tokio, Japan.
Noah Knapp, of Hindsboro, Ill.
Pearle Manspeaker, of Champaign, Ill.
Rudolph Ernst Schreiber, of Chicago, Ill.
Aimee May Sides, of Champaign, Ill.
Mildred Eliza Sonntag, of Plainfield, Ill.
Ella Eugenia Worthen, of Warsaw, Ill.

In the College of Engineering

In Architecture

Ralph Elliott Abell, of Elgin, Ill.

In Civil Engineering

Torris Eide, of Lee, Ill.
Augustus Joseph Reef, of Carbondale, Ill.
Carroll Carson Wiley, of Bethany, Ill.

In Electrical Engineering

Frank Wyman Hilliard, of Brighton, Ill.

John Orlo Taylor, of Champaign, Ill.

In Mechanical Engineering

Henry Bernhard Dirks, of Chicago, Ill.

Samuel Barry Flagg, of Alton, Ill.

In Municipal and Sanitary Engineering

Roy Victor Engstrom, of Peoria, Ill.

Smith Tompkins Henry, Jr., of Bushnell, Ill.

In the College of Science

William Salisbury Ballard, of Batavia, Ill.

Roy Wilson Hilts, of Bloomington, Ill.

COMMISSIONS IN ILLINOIS NATIONAL GUARD

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HOWARD BRUCE MURPHEY
RAEBERN HENRY POST
JESSE ROY POWELL
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CLASS OF 1904

Ralph Elliott Abell.....	Elgin	Homer Clarence Coen.....	Olney
Blanche Aldrich.....	Normal	Emo Lizzie Cole.....	Keokuk, Iowa
Arthur William Allen.....	Peoria	Leonard Allen Colp.....	Marion
John Edward Anderson.....	Paxton	Edward Chapman Converse.....	Napersville
Carl Elmer Armeling.....	Mason City	Orrill Pauline Coolidge.....	Niles, Mich.
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Walter Thomas Bailey.....	Kewanee	Fred Cresap.....	Cushman
William Salisbury Ballard.....	Batavia	Trella Jane Cresap.....	Cushman
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Perry Barker.....	Rochelle	Henry Camille Dadant.....	Hamilton
Harold Hendryx Barter.....	Chicago	Cleon Leslie Davis.....	Urbana
Ralph Stanley Bauer.....	Champaign	John Wolfersperger Davis.....	Sterling
James Russell Benson.....	Vienna	Mabel Katherine Davison.....	Joliet
Mary Matilda Bevans.....	Decatur	Laura Dayton.....	Paris
Roy Jabez Blackburn.....	Decatur	Alice Greenwood Derby.....	Columbus, Ohio
John Douglas Blocher.....	Amboy	Fred John Deutschmann, Jr.....	Belleville
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Mary Josephine Booth.....	Beloit, Wis.	Mertie May Dillon.....	Normal
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Walter Charles Emil Braun.....	Chicago	Frederic Hugo Doeden.....	Eureka
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Olin Lorraine Browder.....	Mt. Vernon	Frank Leon Drew.....	Elgin
Seymour Dewey Brown.....	Chicago	John Lewis Dryer.....	Butler
Camilla Margaret Brunner.....	Peru	Earl Leroy Duell.....	Devil's Lake, N. D.
John Lee Buchanan.....	Lacon	Clyde Earl Durland.....	Peru
Gertrude Amelia Buck.....	Plattville, Wis.	Charles Edwards.....	Peru
Raphael Parmer Bundy.....	Morristown, Ind.	Edward Gollert Eidam.....	Blue Island
Cary Clive Burford.....	Hoopeston	Torris Eide.....	Lee
Fred Henry Burgess.....	Monticello	Lloyd Edwin Engel.....	Metamora
Ralph Royal Burgess.....	Monticello	Roy Victor Engstrom.....	Peoria
John Herman Burkhardt.....	Sorento	Lambert Theodore Ericson.....	Moline
Mabel Etta Cafkv.....	Jacksonville	William Alonzo Etherton.....	East St. Louis
Elizabeth Eleanor Caldwell.....	Zanesville, O.	Kenneth Neill Evans.....	Taylorville
Ashton Ellsworth Campbell.....	Champaign	Samuel Barry Flagg.....	Alton
Muriel Florence Campbell.....	Champaign	Clarence Earl Fleming.....	Delavan
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Lorin Clark.....	Homer	Elmer Logan Garnett.....	St. Mary's
Thomes Aquilla Clark.....	Urbana	Newton David Gaston.....	Peoria
Edna Clarkson.....	Carthage, Mo.	Lillian Mabelle George.....	Amesbury, Mass.
		Charlotte Mitchell Gibbs.....	Plymouth, Mass.

261 Carlton ave.
Brooklyn

Louella Ida Gillespie.....	Champaign	Frank Merrill Lindsay.....	Decatur
Philip Dakin Gillham.....	Princeton	Albert Edwin Logeman.....	Chicago
Carl Louis Ginzle.....	Trenton	Leila Sara Love.....	Danville
Paul Bond Glassco.....	Charleston	Frederick Edwin Loosley....	Rock Island
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.....	Indianapolis, Ind.	Myra Abbie Mather.....	Joliet
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Clarence Eugene Holcomb.....	Milmine	Iva Esther Mercer.....	Centralia
Timothy Osmond Holcomb, Jr..	Milmine	Fred Charles Miller.....	Peoria
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Mabel Dorothy Hunt.....	Urbana	Charles Myers Morris.....	Champaign
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Otto Janssen.....	Los Angeles, Cal.	Jacob William Mueller.....	Belleville
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Lucile Jones.....	Chicago	Andrew Munsen.....	Ohio
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Harry Bertram Kircher.....	Belleville	William Mansfield Park.....	Urbana
Noah Knapp.....	Hindsboro	Calton William Parker.....	Champaign
Frank Hamilton Kneeland.....	Dwight	Maud May Patterson.....	Rochelle
Martha Caroline Koehn, Menominee, Mich		Ida May Pearson.....	Pontiac
Henry Kreisinger.....	Champaign	Lyle Donovan Perrigo.....	Watseka
John Felix Kyte.....	Milan	Mabel Perry.....	Ann Arbor, Mich.
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Jae Ernest Leaverton.....	Danville	Eugene Martin Phillips.....	Lena
Ernest Richard Leverton.....	Warren	Inez Charlotte Pierce.....	Portland, Ind.
Walter Charles Lindley.....	Neoga	Anna Shaw Pinkum.....	Eau Claire, Wis.

mellin, Wis

Florence Elizabeth Pitts.....	Bloomington
John Luther Polk.....	Champaign
Edwin Lindsay Poor.....	Streator
Lida Elizabeth Popejoy.....	Lexington
Raeborn Henry Post.....	Champaign
Jesse Roy Powell.....	Streator
Francis Marion Powers.....	Streator
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Anna Riehl.....	Alton
George Albert Riley.....	Lewiston
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Charles Scamon Rodman.....	Moweaqua
Robert Bennett Roulston.....	Chicago
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Bertha Ella Royce.....	Westfield, N. Y.
Guy Henry Rump.....	Quincy
Inez Rose Samson.....	Urbana
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Arthur Platt Seymour.....	Henning
Roy Vincent Seymour.....	Dwight
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Edna Weaver Sheldon.....	Urbana
Carlyle Nance Shilton.....	Kewanee
James Ricketts Shinn.....	Mattoon
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Carl William Simpson.....	Quincy
Mary Jane Slocum.....	Urbana
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Henry William Smith.....	Arcola
Clara Louise Sommer.....	Chicago
Mildred Eliza Sonntag.....	Plainfield
Annie Elnora Sparks.....	Urbana
Hugo Speidel.....	Patterson, N. J.
Isabel Staley.....	Champaign
Lewis Alva Stephenson.....	Redmon
Robert Jaquess Stewart.....	
.....	Indianapolis, Ind.
Charles Newhall Stone.....	Quincy
Helen Florence Stookey.....	Harristown
Smith Leroy Stroud.....	Eureka
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George Graham Taylor.....	Taylorville
John Orlo Taylor.....	Champaign
Sherman Thompson.....	Warrensburg
Peter Frederick William Timm.....	Tuscola
Roy Elmer Travis.....	Assumption
Clara Eugenia Trimble.....	Tremont
Harold Frank Tripp.....	Quincy
Charles Philip Turner.....	Butler
Lewis Butler Tuthill.....	Anna
Mahlon Smith Vance.....	
George Garret Vanhorne.....	Rockford
John Terrell Vawter, Jr.....	
.....	Vawter Park, Ind.
Richard Percival Vickrage.....	Pana
Lorena Nell Webber.....	Renwick, Iowa
Harry William Weeks.....	Jackson, Mich.
William Henry Wehmeier.....	Alton
Irving Mark Western.....	Dundee
Nellie Wetzel.....	Stonington
Anna David White.....	Chicago
Caroline Louise White.....	Warrensburg
Burton B Wilcox.....	Kewanee
Carroll Carson Wiley.....	Bethany
Frank Rudolph Wiley.....	Sullivan
Wallace Kenneth Wiley.....	Peoria
Mary Edith Williams.....	Urbana
Charles Gorham Wilson.....	Urbana
John Guy Wilson.....	Gays
Le Roy C Wilson.....	Princeton
Alice Louise Wing.....	Ludington, Mich.
Lewis W Wise.....	Cerro Gordo
Emma Marie Wittlinger.....	Decatur
Norman Charles Woodin.....	Rock Island
Edna McClusky Work.....	Rushville
Joseph Garfield Worker.....	Davenport, Ia.
Joseph Carl Worrell.....	Chili
Edmund Louis Worthen.....	Warsaw
Ella Eugenia Worthen.....	Warsaw
Ida Faye Wright.....	Evanston
Ward Ellis Wright.....	Woodstock
William Wilberforce Wright, Jr., Toulon	
Earl Layton Yocum.....	Galva

*Finished
to reverse*

COLLEGE OF MEDICINE

For the Degree of Doctor of Medicine and Surgery

Degrees Conferred May 24, 1904, in Chicago

Wilson Rufin Abbott, Ph.B.
 Louis Ferdinand Alrutz
 George C. Amerson
 Orrin C. Amundson
 Charles Andrew Archer
 Jay Latrell Armstrong
 Ray C. Ash
 Ross Harrison Axe
 Chester Arthur Ayres
 William Henry Bahl
 Otto Balenseifer, Ph.G.
 George Washington Bamberger
 Howard Roswell Bankerd, A.B.
 Clarence Dryden Barker
 Frederick August Baumgart
 James Robert Bean
 Helen Pearl Beattie
 Judah Bezal Beck
 George Beveridge, A.B.
 May Biesenthal
 Frank J. Blackmer
 Loren G. Blackmer
 Robert Warren Blumenthal
 Davie Barnett Blumstein
 Olav Boehmer, B.A.
 David Gladstone Borges
 Frederick Alonzo Bordwell
 Fred Britin
 Richard Ames Burke
 Eugene George Campana
 Henry Spencer Capps, B.S., M.D.
 Albert Orton Carmack
 William Henry Carr, B.S.
 Schuyler W. Case
 John Algernon Cavanaugh
 Spencer Norman Chaffee, B.S.
 Charles Albert Coffin
 Travalo Chester Cogshall
 Samuel Nuel Collier
 D. Edmund Cone, B.S., B.Pd.
 Athol Llewellyn Cook
 George Frederick Cook
 Edward William Cooney
 Thomas James Costello
 Arthur Murphy Crandall, M.D.
 Peter Hubert Cremer
 Frank Richard Curney
 Guy Maynard Cushing, M.D.
 Frederick Cuttle
 John R. Dale
 Karl August Danell, A.B.
 Frank Elmer David, D.D.S.

Francis Deacon
 Susie Marion DeCou
 Otto John Dewitz, Ph.G.
 Samuel J. Dickey
 William Eugene Dickinson
 Franklin Commodore Dielman
 Bert John Dillon
 Albert Leroy Doe
 John Philip Dougherty
 Frederick Murray Doyle, M.D.
 Royal James Dunn
 William Henry Durkee
 Howard Demarest Eaton, A.B.
 Jacob Leonard Eisendrath
 Charles E. Ericson
 Robert Thornton Ewan
 Louis Faulkner, M.D.
 Herbert Works Ferry
 J. Elliott Foltz
 William Watson Gailey, Jr.
 Francis Harvey Gambell, M.D.
 Irwin Adelbert Gardner
 Wilfred Henry Gardner, M.D.
 Carl Albert Gesswein
 Charles William Giesen
 Esther Gimson
 I. L. Gotthelf
 Charles Mickel Gray, M.D.
 Edwin Wilson Gray
 Joseph Ainsworth Greaves
 Helen Elvira Greggs
 Harry Baldwin Gudgel
 Cornelius Gunderson
 Emil Haberman
 Stephen B. Haessly
 Grace C. H. Frith Hagans
 Edward Leo Hallinan
 Henry Ludwig Halverson
 Seth A. Hammel
 Ira Chase Harman
 Arthur Lee Harnett
 William Emery Harrington
 Wayne Adelbert Harris
 Percy Parker Haslit
 Chalmer Nathan Hatfield
 Hillis Hall Hattery
 Andrew Peter Hawkins, Ph.G.
 Edgar D. Heaton
 Miles Akin Heffelfinger
 Andrew John Helmark
 Aloys Heinen
 Albert Francis Henning

Alfred August Herrmann
 Willis Townsend Hinman, Ph.G.
 Ralph Thompson Hinton
 George Paul Hohly
 LeRoy John Holmburg
 Frank Marion Horstman, Ph.G.
 William Frederick Houk
 James Burnett Hundley
 Owen Ghormley Hutchison
 George Meek Ingham
 Edward Taylor Jarvis
 Charles Everett Jones, Ph.C.
 George Timothy Joyce
 Theodore Simon Kaemmerling
 Frank Miles Keefe
 Ellen Pauline Ketchum
 James Bolton Knipe, Ph.G.
 Susan Lillian Koons
 George Joseph Kruk
 Benjamin Gabriel Landau
 Gustave Adolph Landmann
 Daniel Winfield Layman
 Arthur Leil Leeds, B.S., M.D.
 Benjamin E. LeMaster
 William Henry Lipman
 Martha L. Longstreet
 Sherman L. Loupee
 Harold Roy Lucas
 Edward Luke
 Robert Edward McCracken, Ph. G.
 Walter Allan McEachern
 Jos. Aloysius McGoey, Ph.G., M.D.
 Port McWhorter
 Manfred Robert Martin
 Luther Martin Marvel
 Orson Eugene Matter, M. D.
 Charles Wesley Mattison, B.S.
 Edward Anton Mayer, Ph.G.
 Nehemiah Paul Mead, Ph.G.
 Arthur Ellison Midgley, M.D.
 Anson Torenice Miller
 Hanna Miller
 James John Monoghan
 James Redman Montgomery, B.S.
 Clara Moore
 Roy Robert Morden
 Robert Lyman Morris
 John Wesley Morrison
 David Holmes Morton
 Veda Chipfield Murphey
 John Campbell Murphy
 Henry Eugene Nelson
 John Percy Nelson
 Michael Nelson, M.D.
 Cyrus Forsyth Newcomb
 William Lorenzo Nuckolls

William Thomas Oaks, Ph.G.
 Robert Allan Oakes
 William Shelton Osborn
 Don L. Parker
 Stephen Tyler Parsons
 Charles Henry Pickett
 Edith Cory Pollock
 Albert Stirgus Price
 Josef Francis Replogle
 George Vincent Ridley
 Henry Richards
 John Wirt Robinson
 Harry Francis Rubel
 Samuel Joseph Russell, M.D.
 Paul Otto Schallert
 Dirk J. Scholten, B.S.
 Oscar Paul Schnetzky, M.D.
 Ernest de Lacey Seymour
 William Likely Simpson, B.D.
 Clyde Leroy Smith
 James Lawrence Smith
 John Snook, M.D.
 Corydon Goodrich Snow
 William Henry Spencer
 Carl Adam Starck
 Robert E. Stevens
 Alfred Stocker, M.D.
 Arthur John Stuenkel
 Charles Casper Swab
 Hartford Sweet, A.B.
 Frederick James Swift
 Flora Matina Tanquary
 Frank Bashford Taylor
 Margaret Teigen
 Edna Margaret Thomas
 George Henry Thomas
 John Norton Thorpe
 David James Twohig
 Chester Deric Updegraff, M.D.
 William John Vopata
 Clarence Heathcote Wall
 Frederick Jerome Walter, M.D.
 William Frederick August Wergen
 Harry Oscar White, M.D.
 Gratian Philip Whitwham
 Clauson Morril Wilmot
 Bryce Rex Winbigler
 Charles R. A. Windmueller
 Florence Anna Wing
 Rosina Rehor Wistein
 Frank Leighton Wood
 Orlando Garfield Wood
 William Perry Woods, A.B.
 Charles Everett Yates
 William Hamilton Young, B.S.

SCHOOL OF PHARMACY

For the Degree of Graduate in Pharmacy

Degrees conferred April 28, 1904, in Chicago.

Guy Stanley Albright
Walter Albert Bade
Harry Frederick Behrensmier
James Peter Bergstedt
Charles Odus Bowman
Frederick Andrew Brown
Vincent W. J. Chvala
Albert Henry Clark
Oliver Rop Colby
Ralph Morris Converse
Delos Cozad
Joseph Michael Donahue
Robert W. Gelly
Elmer Walter Hadley
Arthur Leroy Hamley
John Frederick Hartig
Henry Oliver Hartley
Charles Louis Higgins
Alva Lane Hill
Richard Henry Juers
William Benardus Keusink
Eller George Knudson

Charles John Koller
Anton Emanuel Lindahl
Carl Dilly McClenahan
William Lewis Mitchell
John Nick Modaff
Louis James Nadherny
Anton Joseph Oeth
Philo Hoysradt Ozanne
George Melville Porter
Edwin John Sanders
Chester Aloyze Sankiewitz
Henry John Schmitt
Louis R. A. Schwanke
Peter Xavier Sanger
James Shaynin
Edward Stuchlik
Henry Stulik
John George Timmermier
Murble Booker Ulrich
Richard Chauncey Webster
Charles John Welker

SCHOOL OF DENTISTRY

For the Degree of Doctor of Dental Surgery

Degrees conferred May 5, 1904, in Chicago.

Charles Eugene Abstein
Eli-ha Melvin Arnold
Eric Berringer
William Leslie Berryman
George C. Brady
Lorace O. Catterson
Israel Cohn
Albert Edward Converse
Vernon Pentfield Cooley
Chester Coleman Dobbs
Herbert Allen Dickinson
Edmund Richard Fitzgerald
Aaron C. Fogle
Hedwig Freyer
Edward Morrow Glenn
William Albert Gorney
Frank Riley Granger
Woodie Clay Hobbs
John Holmes
Lewis Warren Hopkins
Herman Harry Hubbard
Thomas John Ireland

Charles Theodore Jacobs
George Arthur Jones
Edward Kenney, Jr.
Henry Cooley Lee, Ph G., (Northwestern
University) 1898
Albert Bruno Lichtenberg
Charles M. Loescher
John Carlton Longwell
George Reuben Loynd
George John Lyon
Ivon McCormick
John Charles Mackinson
Oscar Fitzallen McMaster
William Henry McWilliams
William Henry Mahoney
Franklin Benjamin Moore
Joseph Lawrence Murray
George Albert Ostermeier
Peter Christoffer Bronnum Peterson
Elmer Hugh Ramsey
Eva Ruth Richter
William Robert Rodenhauser, Ph.G., 1900

Elizabeth Louise Schulze
 Charles Byron Sharp
 Oscar Emil Sommerfield
 Louis Aurora Stout
 Earl Olson Vahue
 Fred Wilson Van Voorhis
 Ernest Wycliffe Vercoe

Richard Michael Walch
 John D Welsh
 Samuel Scott Wells
 Charles Fred Wertzler
 Frederick Ambrose Whitbeck
 George Henry Wilson

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UNIVERSITY OF ILLINOIS

DEGREES

I. IN THE COLLEGE OF LITERATURE AND ARTS the degree of Bachelor of Arts, A.B., in four-year courses, as follows:

1. The ancient classical languages.
2. English literature and language, including rhetoric.
3. The Romanic languages—French, Italian, and Spanish.
4. The Germanic languages—German, Scandinavian, and Danish.
5. The political and social sciences, including history, economics, sociology, anthropology, and science of government.

The work in economics is so developed and arranged that taken in combination with other subjects it furnishes

6. Courses of training for business.
7. Philosophical subjects, including philosophy, mathematics, psychology, education, and ethics.
8. Courses in Library Science, consisting of three years' College work, and the first year in the School of Library Science.

2. IN THE COLLEGE OF ENGINEERING the degrees of Bachelor of Science, B.S., in four-year courses as follows: (1) In Architecture, (2) in Architectural Engineering, (3) in Civil Engineering, (4) in Electrical Engineering, (5) in Mechanical Engineering, (6) in Municipal and Sanitary Engineering, (7) in Railway Engineering.

3. IN THE COLLEGE OF SCIENCE the degree of Bachelor of Arts, A.B., (in special cases the degree of Bachelor of Science, B.S.), in four-year courses, as follows: (1) Chemistry, (2) General Science, (3) Household Science, (4) Mathematics, (5) Education, (6) Physics, (7) Preliminary to Medicine, (8) Library Science.

4. IN THE COLLEGE OF AGRICULTURE the degree of Bachelor of Science, B.S., in four-year courses, distributed in departments of—(1) Agronomy, (2) Animal Husbandry, (3) Dairy Husbandry, (4), Horticulture, (5) Household Science, (6) Veterinary Science.

5. IN THE COLLEGE OF MEDICINE, College of Physicians and Surgeons, Chicago, the degree of Doctor of Medicine, M. D., in a four-year course in medicine and surgery.

A SCHOOL OF DENTISTRY was opened by the College of Medicine, October 1, 1901. The degree is Doctor of Dental Surgery, D.D.S.

6. IN THE COLLEGE OF LAW the degree is Bachelor of Laws, LL.B., in a three-year course in law.

7. IN THE SCHOOL OF LIBRARY SCIENCE the degree of Bachelor of Library Science, B.L.S., in a five-year course.

8. IN THE SCHOOL OF MUSIC the degree of Bachelor of Music, B.M., in four-year courses in vocal and instrumental music.

9. IN THE SCHOOL OF PHARMACY, Chicago College of Pharmacy, the degree of Graduate in Pharmacy, Ph.G., in two-year course, and that of Pharmaceutical Chemist, Ph.C., in a three-year course, in Pharmacy.

10. IN THE GRADUATE SCHOOL the master's degree after the Bachelor's degree for one year of graduate work in arts, science, architecture, and Agriculture; the degree of Civil Engineer, C. E., Electrical Engineer, E.E., and Mechanical Engineer, M.E. after that of B.S., for one year of graduate work in the respective engineering courses; and the degree of Doctor of Philosophy, Ph.D., for three years of graduate work leading thereto.

12,015

UNIVERSITY OF ILLINOIS BULLETIN

Vol. 2

JULY 1, 1905

No. 12

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ALUMNI ASSOCIATION

OF THE

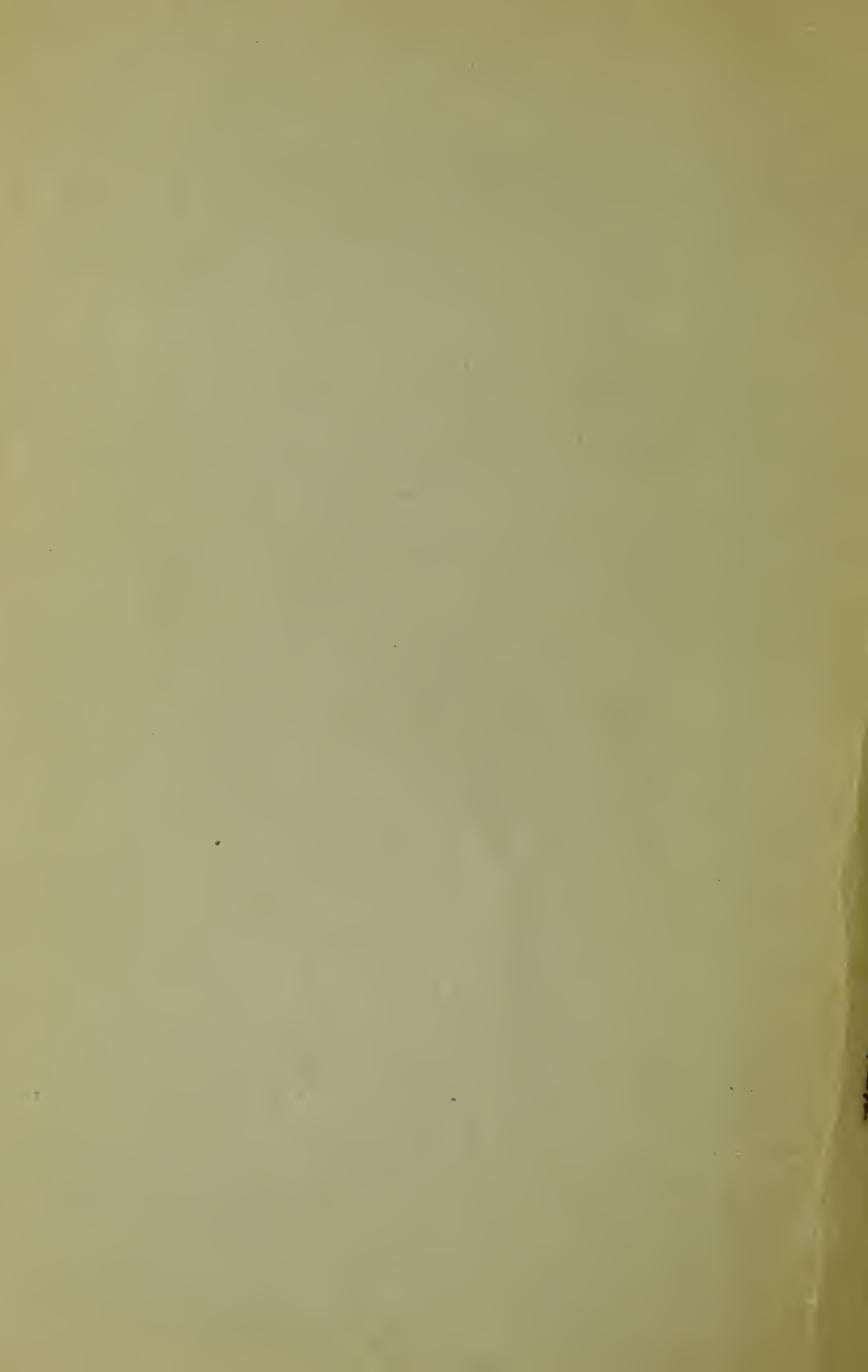
UNIVERSITY OF ILLINOIS



MEETING OF JUNE 5, 1905

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY



PROCEEDINGS
AT THE MEETING OF THE
ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS
JUNE 5, 1905



ANNUAL ADDRESS BY
HONORABLE JAMES R. MANN

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

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NOTICE—

I hope that without waiting for formal asking, I may receive early information of all matters concerning alumni which will be of interest to the Association.

Changes of residence and occupation are especially desired.

W. L. PILLSBURY,
Secretary.

GOVERNMENTAL REGULATION OF RAILROAD RATES

Address Delivered to the Alumni Association
of the University of Illinois, June 6, 1905

....BY....

JAMES R. MANN, '76

Since we last met in annual session Dr. Andrew S. Draper, the beloved and inspiring President of our University, has resigned, and Dr. Edmund J. James has been elected as his successor. Before commencing the few remarks which I have prepared for this occasion I desire to express my great pleasure over the selection of Dr. James. I have known him ever since we were school children together in the "little red schoolhouse" and I have watched with great satisfaction his rapid rise in the educational world. He is without doubt one of the half dozen leading educators of our country. In earnestness of purpose, in brilliancy of thought, in originality of design, in comprehensiveness of view, in loftiness of purpose, and in ability to execute, Dr. James has few equals and no superiors among educators.

I congratulate the Alumni Association, the University itself, and its students, the University trustees and the citizens of our state, upon his election as president of the University.

The problems of government are seldom easy and never few. These problems are no grater in a popular form of government than under autocratic control, though they require an appreciation from a greater number of people under our method of governing. But Russia, with her autocratic powers and her bureaucratic government, is no more able to prevent mob violence than the city of Chicago.

Government seldom gets beyond the sustaining power of public opinion, and under all forms of government people will endeavor to throw off burdens which seem to press down too heavily, whether it be by legitimate or revolutionary methods.

I delivered an address before this Association many years ago in which I endeavored to show that the protection given by the state and society to accumulated capital was not altogether a moral right of the capital but in its inception and in its continuance was mainly for the benefit and protection of society and the state itself.

We protect accumulated capital principally because when thus protected there is an incentive to make accumulations and this leads to industry, to progress, to the increase of civilization, and to happiness.

Some people may do hard work for the love of it part of the time, but most of us labor for the rewards which come, and hard, continued, manual labor at least is seldom resorted to without the prospect of some pleasure which can be obtained as or with the reward for the labor.

It is not, therefore, for the benefit of the capitalist or the millionaire that we have laws and rules protecting the accumulations of capital. Such protection is given for the reason and to the extent that society as a whole may benefit thereby. The right to such protection is not an inherent right. It is a right conferred by society through the state.

The extent and the methods of protection are matters for the determination by the government in accordance with constitutional principles adopted in the organization of the state or in due form by society.

Some of the greatest problems now confronting our government are in connection with control of the great public utilities such as street car service, water, gas and electric supply, telephones, telegraph, and express and railway transportation. And one of the greatest problems now concerning the business interests of our country is, to what extent shall the government go in assuming control of the regulation and determination of freight and passenger rates on the railway systems of our country.

We are told on the one hand that the government, through a commission, should determine and fix all railroad rates; that

when there is a dispute between two competing points or two competing articles, or two competing merchants living in rival towns, the fixing of the railway rates, both actual and comparative, should be by a government commission without regard to the desires of the competing railroads, each desirous of obtaining its share of traffic.

We are told on the other hand that the government ought in no event to interfere with the laws of competition and that if a railroad, through obstinacy or ignorance, persists in discriminating against one town upon its line in favor of a rival locality, the matter should not be interfered with by the government and that the injured merchants or city should rely wholly upon the generosity or education of the railroad authorities. The problems of railway management are not simple. They are most complex and complicated.

The passenger rate is usually fixed largely in accordance with the idea of distance but wholly without regard to the weight of the passenger except in case of babies and minors. A fat man is charged no more than a thin woman, the charge in each case being based upon the distance between the points. In freight charges, on the other hand, distance often has but little to do with the charge, though weight usually determines the charge when the articles are of the same class. It will be quite evident after a moment's thought, that a system of freight tariffs, based solely upon weight and distance, would annihilate the present industries of the country.

The distance from Boston to Montgomery, Ala., by rail is 1281 miles. The distance from Chicago to Montgomery is 748 miles. The rate on first-class freight (southern classification) by all rail from Boston to Montgomery is \$1.26 per 100 pounds. The rate from Chicago on the same class is \$1.38 per 100. Chicago is 533 miles nearer to Montgomery than is Boston, but the rate is 12 cents per 100 less from Boston than it is from Chicago.

The rate on fifth-class freight from Boston to Montgomery is 66 cents per 100, and on the same class from Chicago is 67 cents per 100. Although the distance from Chicago to Montgomery is only a little more than half the distance from Boston to Montgomery, yet in each case in classes 1, 2, 3, 4 and 5 of the southern classification the rate from Boston is less than the rate from Chicago.

The distance from Boston to Atlanta is 1,106 miles. The distance from Chicago to Atlanta is 733 miles. The rate from Boston to Atlanta, all rail, on the first-class, is \$1.17 per 100, and from Chicago to Atlanta \$1.38 per 100. Chicago has a differential in her favor over Boston of 373 miles in distance, and Boston has a differential over Chicago of 21 cents per 100 in rate. The rate on fifth-class freight from Boston to Atlanta is 62 cents all rail, and from Chicago to Atlanta 67 cents, and in each of the classes 1, 2, 3, 4 and 5 of the southern classification the rate from Boston to Atlanta by the all-rail route is considerably less than from Chicago to Atlanta.

The same condition of affairs prevails as to the greater portion of the southern and southeastern territory. The rates from Boston, New York, Philadelphia, and Baltimore to points south of the Ohio and Potomac rivers and east of the Mississippi are very much less in proportion to distance, and in most cases less, in fact, than they are from points in the manufacturing centers of the middle northwest.

The rate from Lincoln, Neb., on wheat consigned to New York is $38\frac{1}{2}$ cents per 100 pounds and on wheat for export, consigned on through bill of lading and passing through New York, is 34 cents per 100, while the rate from the same place on the same article consigned to Galveston, Tex., is $46\frac{1}{2}$ cents per 100, but if consigned on through bill of lading through Galveston for export is only 23 cents per 100. In other words, the domestic rate on wheat from Lincoln, Neb., to New York is $38\frac{1}{2}$ cents, and to Galveston $46\frac{1}{2}$ cents, while the export rate from Lincoln to New York is 34 cents and to Galveston 23 cents.

The domestic rate on corn from Omaha to Galveston is $35\frac{1}{2}$ cents, while the export rate on corn from Omaha on shipments coming from beyond Omaha is $13\frac{1}{2}$ cents per 100.

The rate on cotton piece goods from New York to San Francisco by rail is \$1 per 100. The rate from Chicago to Salt Lake City for the same goods is \$2.50 per 100, and the rate from Chicago to Denver is \$1.75 per 100. The goods which go from New York to San Francisco go over the same line and on the same train for \$1 per 100, while the same class of goods on that train is charged from Chicago to Salt Lake City \$2.50 per 100.

The rate from New York to San Francisco on canned goods is \$1 per 100, and from Chicago to Reno, Nev., is \$1.73 per 100.

The rate on first-class freight from New York to San Francisco is \$3 per 100, and from Chicago to Reno, Nev., \$3.90 per 100, and from Chicago to Salt Lake City \$3.10 per 100.

The rates on practically all shipments emanating east of the Missouri river to the Pacific coast are the same whether they start from Portland, Me., or from Omaha, Neb.; and in all cases, practically, the rates are less to the Pacific coast points, than they are to the local points for a long distance this side of the Pacific coast points, although on the same roads.

For example: the rate on paint in carload lots from Chicago to Spokane is \$1.21 per 100, while if hauled 450 miles farther to the Pacific coast the rate for the entire distance is only 90 cents per 100.

The freight rate from New York to San Francisco on trains passing through Chicago, Denver and Salt Lake is much lower than the rate on the same articles from Chicago to Denver or Salt Lake. Instances of this sort could be narrated by the day. All of them are defended by the railway authorities who make the rates and in many cases the defence is based upon sound principles of reasoning.

It is quite evident that while the cost of carrying a carload of silks may be the same as the cost of carrying a carload of binding twine, it is not to the interest of the country to have the freight rate the same in both cases. The rate on silk may be high in order that the rate on binding twine may be made lower. If the freight rate on coal were as high as the average freight rate on all commodities, the price of coal would be almost, if not quite, prohibitive in most parts of our country on our present basis of wages and salaries.

Railway rates have never been fixed on the basis of the cost of carriage, though that element is considered. They have never been fixed upon the basis of the value of the article, though that element is considered. They have never been fixed upon the basis of the distance, though that element is considered. No scientific basis has been discovered for the

fixing of railway rates. No fixed and certain principles have ever been applied to the making of rates. It will cost the railway more to carry a carload of coal 500 miles than it will a carload of dry goods 200 miles. But if railway rates were fixed on the basis of this cost, then the price of coal at any considerable distance from the mines would be prohibitive.

I have not the time to enter into any exhaustive discussion of the different considerations which do affect the fixing of the rates, but I wish briefly to call attention to a few of these considerations:

The cost of carriage and the distance carried.

The value of the article.

The volume of the business.

The direction in which the article moves, and whether it will occupy cars which would otherwise be running empty, or whether it will require additional cars which will run empty on the return trip.

The competitive element or rate made necessary by competition in order that the road may get a share of the traffic, and especially so when such share of the traffic will fill cars which otherwise would make a trip running empty.

The bulk and weight of the article.

The degree of risk attending transportation, the railroad company being liable for loss or damage.

The special facilities required for the particular shipments or the particular articles.

The special equipment required, as for articles of a perishable nature or articles of an extraordinary size or bulk.

The effect upon competitive communities.

The desire of each road to build up its terminal points so as to have cars filled both ways as far as possible with business naturally tributary to the road.

The competition between commodities, either where one road carries two commodities which compete with other or where one road carries a commodity in competition with a different commodity carried by another road to the same competitive points.

The desire of each road to build up the communities and industries along its own lines.

It is not possible for anyone to determine accurately the cost of the carriage of any particular article, unless it might be some such article as coal on some of the coal roads where the bulk of the business is the coal trade. The actual cost of movement of a train from Chicago to New York might be closely approximated, but even then the wear and tear on the rails, the locomotives, and the cars could not be finely adjusted, and it is impossible to estimate what proportion of the cost of maintenance and of fixed charges should be charged against that particular train. And even if it could be ascertained what exact proportion of the whole cost of the operation and maintenance and fixed charges of the road for an entire year should be charged to that particular train, it would still be impossible to say what share of the cost of the train was consumed in the carriage of a box of dry goods, a package of millinery, or a crate of crockery.

Freight rates have been fixed by different roads in order to obtain a share of the business. Such a rate may have contributed nothing toward the payment of dividends or interest on bonded indebtedness or other fixed charges. It may not even have paid an equal proportion with other freight of the cost of maintenance of the road. But the fixed charges are a liability against the road in any event. The road must be maintained in any event, and, if the railway officials can not otherwise get the traffic but by a reduction of its rates and they obtain a proportion of the traffic at a rate which will pay something more than a proportionate share of the cost of operation and will contribute something toward maintenance, then it is to the interest of the road to put its rate down and secure a share of the traffic.

This process constantly obtains where the road desires freight to fill cars which would otherwise run empty in one direction.

The rates on freight have grown with the expansion of trade. I do not mean that the rates have increased but the tariff sheets have been constructed and reconstructed according to the demands and sentiments and needs of business, generally without logic, but aiming to meet in some degree the immediate necessities of the case.

For a commission, sitting as one body, to attempt to revise or remake the tariff rates on freight throughout the country under these circumstances, would be to cast the business of our country into a chaos of indescribable confusion. To confer such a power upon a commission is to assume it will be exercised. I do not believe in granting power which is not supposed to be used.

On the other hand, shall the regulation of freight rates be left entirely to the effects of competition between railroads and to the sense of justice on the part of railway officials? I believe not. In many cases there is a tendency to do away with the competition and in many cases there is such a defect in the sense of justice as to amount to a denial of justice. With a system of railway rates founded not on reason, not on principle, not on logic, but which, like Topsy, has simply "grewed", there should be a power above and beyond the railway to which the merchant may appeal for judgment when he believes that his interests are unduly prejudiced by his transportation charges.

The extent to which the government shall go in control of this regulation of rates has been brought before the American people in an acute form by the recommendations of President Roosevelt, whose history and whose actions show that he has no personal fear of the enmity of capital and no sympathy with the spirit of confiscation or mob violence.

With the doctrine enunciated in the President's famous message on this subject, I am and have been for years in thorough sympathy. One of the first speeches which I had the honor to make on the floor of the House of Representatives was upon this subject and in favor of extending the powers of the Interstate Commerce Commission so that the Commission might exercise control over the making of a freight rate where complaint had been made in a specific case to it. But the difficulty has been largely one of language and of a dividing line. To grant to a commission the power to fix railway rates generally would be to invite the greatest business catastrophe and cataclysm ever witnessed in the world, and if such power when granted should be exercised by a commission, it would either be upon the lines of an entire readjustment of railway

rates, based on new ideas, or else it would be a fastening upon the country of the rates now existing which natural competition would otherwise constantly tend to reduce. But it seems on the other hand impossible to permit the railway companies, irresponsible control of rates or to continue the management of rates without a corrective power. The difficulty has been and is now to frame language in such form that it will grant to a commission the power which is desired to be conferred and withhold from the commission the power which ought not to be conferred. It is not a matter of easy solution. It is not easy in this world to declare the line between right and wrong, between evil and good.

It were a simple matter to draw a straight line in the statute books dividing all good from all evil as compared with preparing a statute conferring power upon a commission to act only in those cases where it ought to act but withholding the power to act in those cases where action might be irreparable injury. It is quite evident, however, that it has become necessary to confer some power of correction over railway rates and it will not do for the railway companies and their officers and stockholders to fight against legislation on the theory that they can prevent some legislation. They would better direct their efforts toward finding a proper description of those cases where they themselves know there ought to be a corrective force over and above them.

It will not be at all agreeable to the American public to think that they have a giant in their midst of tremendous power for weal and for woe which is so big and so tremendous that they cannot in any wise control its actions. Rather than let such a giant run loose, doing good most of the time but now and then trampling upon innocent persons without pity and without redress, the American people will bind the giant hand and foot so that he cannot move without their permission.

BUSINESS MEETING

The meeting of the Alumni Association of the University of Illinois, in the absence of the President, Hon. Frank White, was called to order by Professor Samuel W. Parr, Vice-President, at 10 o'clock Tuesday morning, June 6, 1905. The address, on Governmental Regulations of Railroad Rates, was by Hon. James R. Mann, LL.D., '76.

At the business meeting, which followed the address, Charles H. Dennis, '81, was elected President, and Harry S. Grindley, '88, was elected Vice-President. W. L. Abbott, '84, and N. A. Weston, '89, were elected members of the Executive Committee. The other members of the Committee are I. O. Baker, '74, and H. M. Dunlap, '75, whose term expires in 1906, and T. A. Clark, '90, whose term expires in 1907.

ALUMNI AT TEACHERS' ASSOCIATION

The following letter from Professor H. A. Hollister was received.

URBANA, June 6, 1905.

President of the Alumni Association, University of Illinois,

DEAR FRIEND:—At a meeting of the Alumni and former students of the University who are teaching, held at Springfield last December in connection with State Teachers' Association, it was decided to perfect a simple organization for the purpose of repeating these meetings or reunions of the friends of the University from year to year.

The appointment of officers for next year was left to a committee and the names have not yet been announced publicly. You are, therefore, asked to announce them at this meeting. They are as follows:

Benjamin F. Bullard, '82, Dixon, Illinois, President.

Miss Florence Smith, '99, Urbana, Illinois, Corresponding Secretary.

Lyle I. Brower, '98, Springfield, Recording Secretary and Treasurer.

These three officers constitute the Executive Committee of the organization.

Yours very truly,

H. A. HOLLISTER,

Acting Chairman at the last meeting.

ALUMNI ASSOCIATION SEATTLE, WASHINGTON

Mr. Savage of the class of '80, of Seattle, Washington, gave the following notice and made the following request, to wit:

The Alumni Association and friends of the University are notified that a complete directory of the graduates and former students of this University, residents of the State of Washington, is accessible at the office of C. E. Bogardus, of the class of '83, in the Coleman Block, on Columbia street, between First and Western avenues, and Mr. Bothwell, a former student of the University, in Boston Block, on Second avenue, City of Seattle.

The registers contain the residence and the office numbers, and the 'phone numbers of all graduates and former students of the University who are residents of the City of Seattle, and the postoffice address of all those who are residents of the State of Washington, but not in the City of Seattle.

Graduates and students of the University of Illinois visiting Seattle during the coming summer are requested to examine these registers and record their name and hotel and any other information that they see fit.

ACCREDITING THE UNIVERSITY

Mr. Savage also presented the following request which was endorsed by the Association and referred to the University authorities.

Since the State of Washington has by law provided that universities and colleges of at least equal rank with the University of Washington may be placed upon the accredited list in the office of the Superintendent of Public Instruction, and that graduates of said institutions may receive first grade county certificates, good anywhere in the state, without examination, and upon having taught the requisite number of years, receive a life diploma as teachers without examination, it is requested that this association take such steps as are necessary to put this institution upon the accredited list.

NOMINATION OF CANDIDATES FOR TRUSTEES

The special committee appointed last year to devise a plan by which members of the Association might exert a greater influence in the choice of the Trustees of the University, offered the following resolution:

Resolved, That there be appointed a committee on political action. The duties of said committee shall be to aid in the securing of suitable candidates for the office of Trustees of the University and in enlisting the help of the Alumni as a body in promoting their election.

The committee shall consist of nine members, three to be elected each year after the first. The first year nine shall be elected in groups of three to serve one two and three years respectively.

The President of the Association shall be a member of the committee and shall act as its chairman.

After a good deal of discussion the resolution was adopted by a rising vote of thirty-six for and seven against, and the President was directed to appoint a committee to select the committee provided for therein,

A vote of thanks was given Mr. Mann for his address.

PRESIDENT JAMES

Hon. H. M. Dunlap, '75, offered the following resolutions, which were adopted:

Resolved, That we are especially well pleased with the action of the Board of Trustees in securing for the presidency of the University Dr. Edmund J. James.

Resolved, That we cordially pledge to him our zealous support in making this the greatest of all State Universities.

It was voted to ask the Board of Trustees to appropriate \$175, or so much thereof as might be needed, for the publication and distribution of the proceedings of this meeting.

GRADUATES OF 1905

On motion of Professor Talbot, '81, the graduates of 1905 were invited to membership in the Association.

VITAL STATISTICS

The Secretary, Mr. W. L. Pillsbury, distributed printed copies of the following statistics:

VITAL STATISTICS

Marriages—

- 1890. Robert Conover Wilson and Louise Crepen Hoyt, April 26, 1905.
- 1893. Charles Wesley Russell and Florence Newman, February 15, 1905.
- 1894. Albert Johanssen and Annabelle Scott, November 16, 1904.
Gertrude Shawhan and Frank Shaeffer, June 29, 1904.
- 1895. Francis Edward King and Elizabeth Elliott, November 3, 1904.
- 1895. Rosaltha (Daisy) Coffin Scott and William Henry Stevenson,
June 29, 1904.
Robert Watt Stark and Mabel Etta Cafky (1904), October 5, 1904.
- 1897. Hubert Anthony Webber and Lura E. Fryer, December 28, 1904.
- 1898. Wallace Craig and Mrs. Mina Jenness, October 12, 1904.
Arthur R. Crathorne and Charlotte Pengra, June 21, 1904.
- 1899. George Dodds and Lula Engel, June 18, 1904,
- 1900. Elizabeth Branch and Elmer E. Shepard, July 5, 1904.
Oliver Albert Harker, Jr., and Maud Bressler, June 15, 1904.
William Albert Hawley and Katherine O'Donovan Manley, No-
vember 16, 1904.

- Robert Hayden Kuss and Florence Wilhelmina Brower, September 3, 1904.
- Elbert Mallary Rowland and Jessie M. Bliss, June 8, 1904.
1901. Edward Pierce Chapin and Harriett Elizabeth McCully (1902), June 6, 1904.
- Frank G. Frost and Cornelia Harlow, June 1, 1904.
- George Mifflin Harker and Jessie Reynolds, March 11, 1905.
- Charles Albert Hoppin and Jessie Cramer, June 1, 1905.
- Harlan Hoyt Horner and Gioga D. Gaston, September 15, 1904.
- William Pitt Miller and Ida B. Jones, July 28, 1904.
- Walter Thornton Ray and Isabel McRobie (1903), June 14, 1904.
- Charles Earl Wetherbee and Faith Leland Bardwell (1901), July 28, 1904.
- Seymour Williams and Jennie May Bennett, September 3, 1902.
1902. Carl Lee Lundgren and S. Maude Cohoon, September 3, 1904.
1903. Ralph Hawes Gage and Nell Jeannette Davidson, June 1, 1905.
- Winifred Myers and William H. Fursman, October 24, 1904.
- Loring Harvey Provine and Bertha Walker, August 31, 1904.
- Frederick Elmer Rightor and Ellsworth Prime Storey and Phoebe Mulliken, September 29, 1904.
1904. Lester William Zartman and Laura Louise Black (1901), September 22, 1905.
- Jae Ernest Leaverton and Daisy Dean Runyan, November 15, 1904.
- William Asbury McKnight and Mabel Haight, July 27, 1904.
- Charles Eugene Mead and M. Evelyn Hultgen, May 15, 1904.
- Fred Charles Miller and Anne Yingst, October 18, 1904.
- Edna Weaver Sheldon and Edward Trego, November 16, 1904.
- Lewis Butler Tuthill and Leda DeWolf, November 23, 1904.

Deaths—

1872. Albert Murray Flagg, died at Duluth, Minn., November 2, 1904.
1875. DeLonson Elroy Barnard, died at Chicago, April 4, 1905.
1900. Bertrand Buhre Abry, died at Wilkinsburg, Pa., October 31, 1904.
- Harriet Elizabeth Ashley, died at Chicago, July 11, 1904.
1901. Adelaide Maria Chase, died at Medford, Mass., May 23, 1904.
1902. Thomas Theron Gallaher, died at Lostant, December 10, 1904.
1904. Ralph Adams Ballinger, died at El Paso, Tex., February 3, 1905.

The Association adjourned.

W. L. PILLSBURY, Secretary.

BANQUET

ARMORY, HALF-PAST TWELVE O'CLOCK

ANNUAL DINNER

MENU

SWEET GHERKINS	BREAKFAST RADISHES
COLD BOILED HAM	VEAL CROQUETTES
VEGETABLE SALAD WITH MUSHROOMS ON LETTUCE	
WHITE AND GRAHAM BREADS	SARATOGA FLAKES
BRICK ICE CREAM	SALTED NUTS
	CAKE
MINT LEMONADE	COFFEE

TOASTS

MOTTO: "Brevity is the Soul of Wit"

TOASTMASTER	W. F. WOODS, '00
<i>A View 25 Years ago and 250 Miles Distant, George Savage, '80</i>	"What's in a Name"
<i>Alumni Day</i>	Mrs. A. N. Talbot, '81
	"Should auld acquaintance be forgot and days o'lang syne?"
<i>Inspiration of the Hour</i>	J. E. V. Schaefer, '88
	"Long, long be my heart with such memories filled"
<i>The College Man in Politics</i>	Walter I. Manny, '90
	"I have done the state some service and they know it"
<i>The Impressions of an Alumnus</i>	Bruce A. Campbell, '00
	"Then he will talk—ye gods how he will talk"
<i>The Alumnus and his Community</i>	W. W. Williams, '03
	"He could distinguish and divide a hair twixt south and southwest side"
<i>The Class of '05</i>	J. J. Graham, '05
	"There was a sound of revelry by night"
<i>The University</i>	President Edmund J. James
	"See what a grace is seated on his brow"

UNIVERSITY OF ILLINOIS

THIRTY-FOURTH

ANNUAL COMMENCEMENT

WEDNESDAY, JUNE 7, 1905

TEN O'CLOCK A. M.

THE ARMORY

PROGRAM

Academic Procession

Scripture and Prayer . . . The Rev. A. S. Flanigan

Music—Overture (Souveraine) . . . *Ch. Bach*

MILITARY BAND

Address . . . Honorable George B. Cortelyou, LL.D.

Music—Intermezzo (Marien) . . . *Zimmermann*

MILITARY BAND

Conferring Degrees President Edmund J. James, Ph.D., LL.D.

Benediction

Recessional

MILITARY BAND

DEGREES AND THESES

COLLEGE OF LITERATURE AND ARTS

Bachelor of Arts

In Specialized Courses—Theses Required

- JOHN MILFORD DILLAVOU.....Corporation Securities, Their Nature, Powers, and Distribution
- GEORGE PUFFER GALLAHER.....The Constitutional Status of the Dependencies and its Bearing on Civil Rights Therein
- THEOPHIL HENRY HILDEBRANDT.....The Hyperbolic Functions
- LOUIS CONRAD MOSCHEL.....Methods of Collecting Country Checks
- BLEND A OLSON.....The Social Dramas of Sudermann Compared with Those of Ibsen
- NELLE WHEELER REESE.....Applications of Functions of a Complex Variable to Certain Isothermic Systems
- WADE HAMPTON ROTHGEB.....Diversion of the Export Grain Trade from the Eastern to the Southern Ports
- CHARLES WARD SCHROEDER.....The Investor's Position with Regard to American Railroads
- EDWIN RAYMOND SMITH.....Geometric Presentation of Functions of a Complex Variable
- ALFRED FRANCIS TRAMS.....Grillparzer's Sappho. Biographical Introduction, Critical Analysis and Notes
- HARRIETTE WRAY.....Points of Intellectual Contact between England and the Colonies during the First Half of the Eighteenth Century

In General Courses

- | | |
|-------------------------|------------------------|
| GRACE MATILDA ALLEN | ERNEST COOK |
| MARY ELIZABETH ALLEN | THOMAS L COOK |
| EDWIN ANDERS | ETHAN ALLEN CROSS |
| IMO ESTELLE BAKER | ANNA CLARA DAVIS |
| IRA WEBSTER BAKER | FORREST SPURGEON DAVIS |
| MARY ELTON BAKER | SILAS ECHOLS |
| LELA ETHELYN BARNARD | EMMA EDMISTON |
| OLIVE LILLIAN BARTON | RALPH WALDO ELDEN |
| ARTHUR CHAPMAN BENSON | LAURA MAE EUSTIS |
| BYRON SARVER BORTON | ROSE EILENE FLEMING |
| HELEN ELIZABETH BULLARD | MABEL FRANCES FORBES |
| BERTHA M CARLETON | MARGARET FRANCEWAY |
| JULIA ETHEL CASWELL | ADOLPH GORE |
| ANNA CHESTER | LILLIAN HAMMERS |
| LOIS GRACE CLENDENEN | GUY BYRON HARDY |

MABEL STRICKLAND HAYWARD	GEORGE FRANCIS MEHARRY
PEARL HIGINBOTHAM	CHARLES STUART MONTTOOTH
IDA MYRTLE HILL	HENRY HIRAM MOREY
GLIDDEN HINMAN	HAVEN HAANEL MOSS
ARTHUR WILLIAM KIRKWOOD	MARY FRANCES MOSS
GUSTAVE AUGUST KRAMER	MRS. ALLIE V PARKS
TROY LOVELL LONG	JOSEPHINE SCHERER
RENA AVIS LUCAS B.L.S., 1904	VALENTINE SMITH
ETHEL ELECTA McANULTY, B S., (Carthage College), 1903	ANGELINE JONES STEDMAN
ESTELLA MAY MCCARTHY	HOWARD CHARLES STORM
AGNES McDougall	GEORGE SYPE
WILLIAM MCGINLEY	RUTH BEATRICE TAYLOR
ROSCOE PLANT McNEILL	EDGAR JAMES VINES
ESTHER MASSEY	LAURA BELLE WARDER
ROSE MARGARET MATHER	ARTHUR RAY WARNOCK

CHARLES JACOB BILLS of the Class of 1880

In Library Science

CHRISTINE DENNY	CARRIE BELLE SHELDON, Ph.B.
MRS. IDA ANGELINE KIDDER	(Ottawa University) 1901
LUCY MAE LEWIS	HAZEL SLOAN
	HILDA KIRKE WHITE

COLLEGE OF ENGINEERING

Bachelor of Science

In Architecture

ALICE HARTZEL CLARK.....	Residence for a Suburban Estate
WHITMAN DART.....	The Card Index System Applied to the Writing of Specifications for Building Construction
SAMPSON JAMES FOUNTAIN, B.S.....	A Summer Resort (Agricultural and Mechanical College of Texas), 1901
WILLIAM ROY MARTIN.....	A Resort Hotel
WALTER HARRIMAN PARKER	A Summer Home in California
FREDERICK SCHOTT, JR.	A Temple for Zion City

In Architectural Engineering

WILLIAM WHARTON CLAY.....	Design of the Steel Construction for the Logan County, Illinois, Court House
JOHN CHRISTOPHER GUSTAFSON	The Economical Design of a Short Span Fink Trussed Roof
HOWARD SPENCER HAZEN, JR.....	A Comparison of Computed Building Losses and the Amount of Fuel Required for Heating
WALTER HERMANN MUELLER.....	The Economical Design of a Medium Span Fink Trussed Roof
ALBERT TRIEBEL.....	The Economical Design of a Short Span Fink Trussed Roof

In Civil Engineering

- DUFF A ABRAMS.....Tests of Reinforced Concrete Beams: Distribution of Stresses
- RALPH AGNEWTests on Coefficient of Elasticity of Plain Concrete in Compression and of Encased Steel in Tension
- FRANKLIN IRVING BLAIR.....Tests of Reinforced Concrete Beams: Effect of Repetition of Load
- CARA LOUIS CAMP.....Design for a Street Railway Car Barn
- WILLIAM GARRET CORRIN.....Work of the Mississippi River Commission
- LAWRENCE EVERETT CURFMAN, B. S., 1901.....Investigation of Sand-Lime Brick
- THOMAS MEREDITH DAVIDSON.....Adhesive Strength of Cement Mortar
- VIRGIL R FLEMING.....Tests of Reinforced Concrete Beams: Various Methods of Loading
- CHARLES HENRY GIBBS.....The Effect of Fineness of Sand on the Tensile Strength of Cement Mortar
- JOSEPH COLEMAN GILMOUR.....Tests of Reinforced Concrete Beams: Varying Percentages of Reinforcement
- LEO ARTHUR GINZEL.....Navigation Canals of Europe
- HARRIS PAUL GREENWOOD.....Tests of Paving Brick
- SAMUEL CORNELIUS HADDEN.....Tests of Reinforced Concrete Beams: Effect of Removal of Load
- FRANK WILLIAM HILLMAN.....Alternate Freezing and Thawing of Cement Mortar
- CLEVES HARRISON HOWELL, Ph.B., (Wooster University), 1901.....Reclamation of Agricultural Land by Diking
- JOHN SAMUELS HUNTOON.....Concrete Posts and Poles
- MANUEL JOSEPH JACOBS.....Itemized Cost of Mill Building Construction
- FREDERICK WILLIAM KASTEN.....Limestone Screenings as a Substitute for Sand in Mortar and Concrete
- LAWRENCE SWASEY KEELER.....Investigation of a 100-foot Concrete Arch
- JOHN KRIPPNER.....Comparative Anatomy of Highway Bridges
- OTTO KUEHLCKE.....Calibration of Pitot Tubes
- RUSSELL JAMES LEWIS.....Design of an Interlocking Plant
- CHARLES PATRICK AUGUSTUS LONERGAN.....Design of a Subway at the Intersection of University Avenue and the Illinois Central Railroad at Champaign, Illinois
- JOSEPH MATOUSEK.....History of the Development of Chicago Pavements
- ERNEST EDWARD MEIER.....The Construction of the Telephone and Freight Tunnels in Chicago
- LEWIS CHARLES FREDERICK METZGER.....Design for a Bridge Shop
- GEORGE WALKER MORGAN.....National Aid for Highway Construction
- CHARLES SLADE O'CONNELL.....Shear in Concrete
- FRED GEORGE PEGELOW.....Concrete Building Blocks
- FRANK ALFRED RANDALL.....The 600,000-pound Testing Machine of the Laboratory of Applied Mechanics

EDWIN THEODORE RENNER.....	Tests of Reinforced Concrete Beams: Effect of Release of Load
WILLIAM HANSON RONEY.....	Tests of Reinforced Concrete Beams: Effect of Position of Reinforcing Bars
HOWARD MEEK ROY.....	Analysis of a 100-foot Concrete Arch
HARRY KELLY RUBEY.....	Present Practice in Deep Well Pumping
FRED SCOTT SAWYER.....	Construction of the Danville, Urbana, and Campaign Interurban Railroad
HUGO SCHMIDT.....	The Design of a Reinforced Concrete Arch Railroad Bridge
ALFRED GEORGE SCHUTT.....	Trenching Machines
CLAUDE HENDRICKSON SEYMOUR.....	Design for a Steel Grand Stand
JOHN EARL SHOEMAKER, A.B., 1903.....	Shear in Concrete
CHARLES EDWARD SIMS.....	Tests on Coefficient of Elasticity of Plain Concrete in Compression and of Encased Steel in Tension
WILLIAM HERBERT WARNER.....	Tests of Reinforced Concrete Beams: Abnormal Concretes
ROBERT ELGENE YOLTON.....	Illinois Wagon Roads

In Electrical Engineering

MILTON KENT AKERS.....	The design and Construction of an Oscillograph of the D'Arsonval Type
CHARLES EDWARD ARMSTRONG.....	Interurban Car Tests on the Illinois Traction System
RALPH EMMETT BOWSER.....	Interurban Car Tests on the Illinois Traction System
CARL KENT BRYDGES.....	Application of the Telephone to Commercial Measurements
WILLIAM THOMAS BURNETT.....	Application of the Telephone to Commercial Measurements
MAURICE LeROY CARR.....	Interurban Car Tests on the Illinois Traction System
HIBBARD SPENCER GREENE.....	Economy of High-Speed Steel Tools
SIDNEY DEALEY MORRIS.....	Photometric Tests of Globes and Shades
FRED D SMITH.....	Economy of High-Speed Steel Tools
WESLEY NEWTON SPITLER.....	Alternating Current Traction
WILLIAM SUMNER THAYER.....	Photometric Tests of Globes and Shades
EDMUND BURKE WHEELER.....	Design and Construction of an Oscillograph of the D'Arsonval Type
FRANK RAE WINDERS.....	Installation and Testing of a Storage Battery

In Mechanical Engineering

WILLARD JASON BASS.....	Design of a Small Gas Producer for Illinois Coal
CHARLES BECK.....	Construction of a 20-H. P. Steam Engine
DAVID ROY BETTS.....	Experiments with Various Types of Gasoline Engines
JOHN MYRON BOND.....	Experiments with Various Types of Gasoline Engines
HALBERT EVANS BONER.....	Designs and Specifications for an Experimental Boiler for the Mechanical Engineering Laboratory

- EVERETT SHANNON BONNELL.....Experiments with Fan Blowers
- THOMAS DAVID CASSERLY.....Designs and Specifications for a Gas Producer Power Plant for Electric Railway Service
- BERTHOLD COHEN.....Review of the Illinois Traction Company's Power Plants at Champaign and Danville
- FRANK WOODBURY CUTLER.....Tests of a Knox Two-Cylinder Automobile
- CHARLES FRED DOSCH.....Experiments on the Influence of the Form of Steam Nozzles on the Impulsive Effect of the Jet
- HARRY FRED GODEKE.....Transmission of Heat through Scaled Boiler Tubes
- ARTHUR ALDRICH HALE.....Transmission of Heat through Scaled Boiler Tubes
- CARL MENELAUS HANSTEIN.....Review of the Peoria and Eastern Railway Shops at Urbana, Illinois
- HARRY ALEXANDER HUNTOON.....Power Required to Run Machine Tools
- EUGENE CROUSE KENYON.....Tests of a Knox Two-Cylinder Automobile
- BRUCE HJALMAR LUNDAHL.....Experiments with Fan Blowers
- FRANKLIN WALES MARQUIS.....Experiments on the Influence of the Form of Steam Nozzles on the Velocity of the Jet
- LEROY HASKELL MAXFIELD.....Design of the Interurban Power Plant
- DAVID THORPE MAY.....Stresses in Fly Wheels
- CHARLES MORRISON NUCKOLLS.....Construction of a 20-H. P. Steam Engine
- FRED OSCAR PAHMEYER.....Boiler Tests with Illinois Coals
- JOHN WINTHROP PEARSON.....Design and Construction of a 15-K. W. Electric Generator
- ALPHONSO LORENZO PERRY.....Construction of Apparatus for Experiments in Counterbalancing
- ANDREW BRADT SHIPMAN.....Design of an Auxiliary Gas Producer Power Plant for the University of Illinois
- CHARLES EDWARD SKELLY.....Design of an Auxiliary Gas Producer Power Plant for the University of Illinois
- KENNETH GARDNER SMITH, A.B., (University of Chicago), 1896.....The Theory of the Flow of Steam through Nozzles
- EDGAR WHITE WAGENSEIL.....Designs and Specifications for an Experimental Boiler for the Mechanical Engineering Laboratory
- CHRIS BEACH WATROUS.....Power required to Run Machine Tools

In Municipal and Sanitary Engineering

- GEORGE ROCKWELL BASCOM.....Design of a Septic Tank
- RALPH WALDO ELDEN.....A Preliminary Investigation of Tests on Treated Wood Paving Block

COLLEGE OF SCIENCE

Bachelor of Arts

In General Science

FLORA PEARL MABEL BELTING	JANNET GARWOOD
GEORGE WILLIAM BISHOP	JOHN PHILO GILBERT
ELLA HAZEL CLARK	ORA SHERMAN MORGAN
MARY COLLINS	LELA GRETCHEN PILCHER
CLIFFORD CROSBY	ALVA LEWIS WILT

In Preliminary Medical Course

FRANK LLOYD BRONSON	CURTIS ELMER KELSO
RALPH MERLE CARTER	NELSON CHANCELLOR PHILLIPS
WILLIAM ARTHUR CLARK	ROBERT MALCOLM ROSS
ERNEST JASON FORD	WILLIAM GUSTAVUS SACHSE
ALPHONSE PERRY STANDARD	

In Chemistry

THOMAS STANLEY BAILEY.....	A Study of Solvents for Gold
JOHN MATTHEW HARNEY.....	The Photometric Method as Applied to the Determination of Sulphur in Cast Iron
SYLVESTER JOSEPH MCGRATH.....	Arsonic and Arsinic Acids

In Chemical Engineering

CROMWELL BARTLETT DICKEY.....	The Extraction of Gold Ore, with Reference to Electrolytic Methods
-------------------------------	--

In Mathematics

CHARLES ANTHONY BARNHART.....	Determination of the Constants and Errors of a 3-inch Transit and Zenith Telescope
MYRTLE NETA HANNUM.....	Construction of Conic Sections whose Elements are in part Imaginary

In Household Science

VIRGINIA CAMPBELL RICHESON	ANNA ROBERTA VAN METER
----------------------------	------------------------

COLLEGE OF AGRICULTURE

Bachelor of Science

In Agriculture

- PASCHAL ALLEN.....Detailed Soil Survey of the Allen Farm, near Delavan, Illinois
- LESLIE LEE ANDERSON..... Effect of Type and Breed on Cost and Quality of Mutton
- CLARENCE ARTHUR BRADEN.....Mechanical Analyses and Physical Properties of Gray Prairie and Gray Timber Soils of the Lower Illinois Glaciation
- BERTON EUGENE CARMICHAEL.....Lineage, Show, and Breeding Record of Prize Winning Short-Horns
- ORLO DORR CENTER.....Influence of Plowing and Cultivation on the Moisture Content of Soil
- HENRY BENJAMIN DERR.....Native and Introduced Grasses and Their Economic Value
- WILLIAM GEORGE ECKHARDTPlant Food in Alfalfa and Red Clover at Different Stages of Growth
- FRANK SANDERS GARWOOD.....The Fixation of Free Nitrogen by Living Organisms
- HERMAN EDWIN GARWOOD.....The Fixation of Free Nitrogen by Living Organisms
- THOMAS JOHN GILKERSONThe Effect of Fast and Slow Milking on the Production of Milk and Butter Fat
- WILBER FISK GOODSPEED The Farm Barn; Timber Frame Construction Versus Plank Frame Construction
- GUY CARLYLE JOHNSTONE.....Picking and Storing of Seed Corn Under Various Conditions
- GEORGE ROY SAMSON, A.B., 1902....The Status of Dual Purpose Short-Horns
- ROY STEBBINS.....Experiments in Storing Baled Hay Containing Different Amounts of Internal Moisture
- JAMES ARTHUR THOMPSON.....The Effect of Surface Washing of Soils on Rolling Lands and Some Methods of Prevention

Household Science

NELLIE AUGUSTA MILLER

RUTH REAT

COLLEGE OF LAW

Bachelor of Laws

LAWRENCE THOMPSON ALLEN
 HARRY LEHRE BOON, A.B. 1903
 GEORGE MOREY CLENDENIN
 HARRY THOMAS DEWHIRST
 JAMES JOHN GRAHAM

CHARLES HENRY HITTSON
 CLARENCE WILBERT HUGHES,
 A. B., 1900
 THOMAS LEWIS JARRETT
 JAMES ABRAHAM MARLEY

CARL AUGUST MELIN
 FREDERICK BOWMAN PENWELL
 HENRY EVERETT POND
 ROBIN ROY REID
 CLARENCE JUDSON ROSEBERRY
 WILLIAM EDGAR SAMPSON

JOHN T SCOTT
 THOMAS BARRINGTON FRANKLIN
 SMITH
 ANDREW EUGENE TRACEY
 ULYSSES GARFIELD WARD

SCHOOL OF LIBRARY SCIENCE

Bachelor of Library Science

FRANCIS KEESE WYNKOOP DRURY, A.M., (Rutgers College), 1905.....The
 Book Trade in the United States in 1905

MRS. MARY LAWRENCE EAST.....Virginia Libraries

ISABELLA FYFE.....Prison Libraries

BERTHA JULIA BOND

ABBY BRAYTON

HELEN VERA CALHOUN

MARCIA BARNES CLAY

HELEN MARY CRANE

JOSEPHINE RUTH ELLIOTT

MARGARET ELITABETH GRAFIUS

ELIZABETH GROSVENOR GREENE,
 A.B., 1904

EDITH ELIZABETH HARPER

JOSIE BATCHELOR HOUCHEMS, A.B.,
 (H.Sophie Newcomb Coll.), 1903

GUESS HUMPHREY, A. B., (Univer-
 sity of Nebraska), 1902

EMILY LAVINIA NICHOLS

GRACE DARLING PHILLIPS

ANNA SHAW PINKUM, B. L., (Uni-
 versity of Wisconsin), 1899

CARRIE BELLE SHELDON, Ph. B.,
 (Ottawa University), 1901

DELLA JARRETT SISLER

CHARLES WESLEY SMITH, A.B., 1903

SCHOOL OF MUSIC

Bachelor of Music

SOPHIE MARY VOSS.....The Evolution of Pianoforte Action and Pianoforte
 Technic with Reference to Dynamics.

GRADUATE SCHOOL

Degree of Doctor of Philosophy

YASUZO SAKAGAMI, M.L., (University of Minnesota), 1899.....Constitutional
 Growth and Political Parties in Japan

Degree of Master of Arts

CHARLEY FRANCIS BRISCOE, A. B., (Indiana University) 1899.....Mucor
 Racemosus as Affected by Culture Media

- CARY CLIVE BURFORD, A.B., 1904.....A Preliminary Study of the Color-Perceptions of Certain Higher Vertebrates
- ARTHUR DONALDSON EMMETT, B. S., 1901.....A Study of the Phosphorus Content of Flesh
- EMERY ROE HAYHURST, A.B., 1903.....Gaseous Exchanges in Isolated Muscle and the Perfection of an Apparatus for Studying the Same.
- CLARENCE WILBERT HUGHES, A.B., 1900.....The Court of Wards and Liveries
- MYRA ABBIE MATHER, A. B., 1904.....Differences between the Epic *Der Nibelunge Not* and Hebbel's Drama *Die Nibelungen*
- IDO FRANKLIN MEYER, Ph. B., (Iowa College), 1904.....The Development of the Imagination of School Children
- MAURICE HOLMES REES, A.B., (Monmouth College), 1904.....Some Physiological Relations of Paramaecium to H and OH Ions
- JOHN CARL STINE, A.B., 1903.....Township High Schools, with Special Reference to Illinois
- BURTON B WILCOX, A.B., 1904.....Secondary Arsines

Degree of Master of Science

- WALTERS BURROWS BROWN, B.S., 1897.....The Use of Thio-Acetic Acid as a Substitute for Hydrogen Sulphide in Qualitative and Quantitative Analysis
- HARRY BERT FOX, B. S., 1900.....Clay Investigations
- DANIEL THOMAS GRAY, A.B., B.S., (University of Missouri), 1904.....Winter Maintenance of Beef Cows
- LEROY C WILSON, B.S., 1904.....Studies of Farm Manures

Degree of Master of Architecture

- SHIGETSURA SHIGA, B.S., 1893.....Future Development of Japanese Dwelling Houses

Degree of Mechanical Engineer

- HENRY BERNHARD DIRKS, B.S., 1904.....High Speed Tool Steels: Investigations and Tests
- FRANK STANLEY HADFIELD, B. S., 1904.....Boiler Trials at the Champaign Power Plant of the Illinois Traction System
- DWIGHT T RANDALL, B.S., 1897.....Review of the St.Louis Boiler Trials
- FREDERICK WILLIAM RICHART, B.S., 1891.....Coal Mine Engineering

Degree of Civil Engineer

- LESLIE ABRAM WATERBURY, B. S., 1902.....Temperature Variations in Concrete

HONORS

Honors have been awarded by the Faculty for Scholarship as follows:

SPECIAL HONORS

In the College of Literature and Arts

George Puffer Gallaher, of Lostant, in Political Science
 Theophil Henry Hildebrandt, of Carpentersville, in Mathematics
 Louis Conrad Moschel, of Morton, in Business
 Edwin Raymond Smith, of Champaign, in Mathematics
 Harriette Wray, of Winnebago, in History

FINAL HONORS

In the College of Literature and Arts

Grace Matilda Allen, of Wenona	Esther Massey, of Urbana
Emma Edmiston, of Sullivan	Louis Conrad Moschel, of Morton
Theophil Henry Hildebrandt, of Carpentersville	Edwin Raymond Smith, of Champaign
Glidden Hinman, of Dundee	Harriette Wray, of Winnebago

In the College of Engineering

In Architecture

Whitman Dart, of Rock Island

In Civil Engineering

Lawrence Everett Curfman, B.S., 1901, of Urbana	Frank Alfred Randall, of Cambridge
Frank William Hillman, of Chicago	Edwin Theodore Renner, of Lanark
	John Earl Shoemaker, A.B., 1903, of Charleston

In Electrical Engineering

Maurice LeRoy Carr, of Avon

In Mechanical Engineering

Harry Fred Godeke, of Olney	Franklin Wales Marquis, of Bloomington
Kenneth Gardner Smith, of Dixon	

In the College of Science

Ralph Merle Carter, of Decatur	John Philo Gilbert, of Mt. Vernon
Clifford Crosby, of Kewaunee	Ora Sherman Morgan, of Hampshire

In the College of Agriculture

Berton Eugene Carmichael, of Rochelle	Orlo Dorr Center, of Ottawa
---------------------------------------	-----------------------------

In the School of Library Science

Francis Keese Wynkoop Drury, A.M., (Rutgers College), 1905, of Ghent, N.Y.
 Della Jarrett Sisler, of Emporia, Kas.

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EDWIN ANDERS

JOHN MYRON BOND

RALPH MERLE CARTER

WILLIAM WHARTON CLAY

FRANK WOODBURY CUTLER

WILLIAM GEORGE ECKHARDT

GEORGE PUFFER GALLAHER

WILLIAM ROY MARTIN

DONALD EDWARD MATHER

HAVEN HAANEL MOSS

FRED GEORGE PEGELOW

WILLIAM HANSON RONEY

WADE HAMPTON ROTHGEB

HUGO SCHMIDT

EDWIN RAYMOND SMITH

EDGAR WHITE WAGENSEIL

CLASS OF 1904

Duff A Abrams.....	Murphysboro	Ella Hazel Clark.....	Roswell, N. M.
Ralph Agnew.....	Chesaning, Mich.	Arthur William Clark.....	Urbana
Milton Kent Akers.....	Homer	Marcia Barnes Clay.....	New Bristol, O.
Grace Matilda Allen.....	Wenona	William Wharton Clay.....	Chicago
Lawrence Thompson Allen.....	Hoopeston	Lois Grace Clendenen.....	Cairo
Mary Elizabeth Allen.....	Wenona	George Morey Clendenin.....	Springfield
Paschal Allen.....	Delavan	Berthold Cohen.....	Chicago
Edwin Anders.....	Newark	Mary Collins.....	La Salle
Leslie Lee Anderson.....	Summer Hill	Ernest Cook.....	St. Joseph
Charles Edward Armstrong.....	Mound City	Thomas L Cook.....	Mt. Pulaski
Thomas Stanley Bailey.....	Vincennes, Ind.	William Garret Corrin.....	Neola, Ia.
Imo Estella Baker.....	Champaign	Helen Mary Crane.....	Indianapolis, Ind.
Ira Webster Baker.....	Champaign	Clifford Crosby.....	Kewanee
Mary Elton Barker.....	Chicago	Ethan Allen Cross.....	Campbell Hill
Lela Ethelyn Barnard.....	Chicago	Frank Woodbury Cutler.....	Rockford
Charles Anthony Barnhart.....	Urbana	Whitman Dart.....	Rock Island
Olive Lillian Barton.....	Pittsfield	Thomas Meredith Davidson.....	Champaign
George Rockwell Bascom.....	Chicago	Anna Clara Davis.....	Carbondale
Willard Jason Bass.....	Canton	Forrest Spurgeon Davis.....	Urbana
Charles Beck.....	Harvey	Christina Denny.....	Lincoln
Flora Pearl Mabel Belting.....	Mattoon	Harry Benjamin Derr.....	Champaign
Arthur Chapman Benson.....	Vienna	Harry Thomas Dewhirst.....	Olney
David Roy Betts.....	Springfield	Cromwell Bartlett Dickey.....	New York, N.Y.
George William Bishop.....	Bloomington	John Milford Dillavou.....	De Land
Franklin Irving Blair.....	Paw Paw	Charles Fred Dosch.....	Chicago
Bertha Julia Bond.....	Charleston	Francis Keese Wynkoop Drury, A. M.,	
John Myron Bond.....	Champaign	(Rutgers Coll.), 1905.....	Ghent, N. Y.
Halbert Evaus Boner.....	Urbana	Mrs. Mary Lawrence East.....	Urbana
Everett Shannon Bonnell.....	La Moille	Silas Echols.....	McLeansboro
Byron Sarver Borton.....	De Land	William George Echardt.....	Buffalo Prairie
Ralph Emmett Bowser.....	Forest City	Emma Edmiston.....	Sullivan
Clarence Arthur Braden.....	Cutler	Ralph Waldo Elden.....	Elburn
Abby Brayton.....	La Crosse, Wis.	Josephine Ruth Elliott.....	Sterling
Charley Francis Briscoe, A. B., (Indiana		Laura Mae Eustis.....	Ottawa
Univ.), 1899.....	Urbana	Rose Eilene Fleming.....	Bement
Frank Lloyd Bronson.....	Streator	Virgil R Fleming.....	Denver
Carl Kent Brydges.....	Elgin	Mabel Frances Forbes.....	Chicago
Helen Elizabeth Bullard.....	Springfield	Ernest Jason Ford.....	Prairie Center
William Thomas Burnett.....	Urbana	Sampson James Fountain, B. S., (Agr'l	
Helen Vera Calhoun.....	Champaign	and Mech. Coll. of Texas), 1901.....	
Cara Louis Camp.....	Lincoln	College Station, Tex.
Bertha M Carleton.....	St. Clair, Mich.	Margaret Franceway.....	Granville
Berton Eugene Carmichael.....	Rochelle	Isabella Fyfe.....	St. Joseph, Mich.
Maurice Le Roy Carr.....	Avon	George Puffer Gallaher.....	Lostant
Ralph Merle Carter.....	Decatur	Frank Sanders Garwood.....	Stonington
Thomas David Casserly.....	Champaign	Herman Edwin Garwood.....	Stonington
Julia Ethel Caswell.....	Urbana	Janet Garwood.....	Augusta
Orlo Dorr Center.....	Ottawa	Charles Henry Gibbs.....	Princeton
Anna Chester.....	Champaign	John Philo Gilbert.....	Mt. Vernon
Alice Hartzel Clark.....	Roswell, N. M.	Thomas John Gilkerson.....	Urbana

Joseph Coleman Gilmour.....	Biggsville	Roscoe Plant McNeill.....	Greenville
Lco Arthur Ginzel.....	Trenton	James Abraham Marley.....	Paris
Harry Fred Godeke.....	Olney	Franklin Wales Marquis.....	Bloomington
Wilbur Fisk Goodspeed.....	Tuscola	William Roy Martin.....	Newton, Ia.
Adolph Gore.....	Marion	Esther Massey.....	Urbana
Margaret Elizabeth Grafius.....	Chicago	Rose Margaret Mather.....	Plainfield
James John Graham.....	Springfield	Joseph Matousek.....	Chicago
Daniel Thomas Gray, A. B., B. S., (Univ. of Mo.), 1904.....	Champaign	Leroy Haskell Maxfield.....	Godfrey
Hibbard Spencer Greene.....	Lisle	David Thorpe May.....	Prophetsown
Harris Paul Greenwood.....	Edwardsville	George Francis Meharry.....	Tolono
John Christopher Gustafson.....	Chicago	Ernest Edward Meier.....	Chicago
Samuel Cornelius Hadden.....	Mazon	Carl August Melin.....	Springfield
Arthur Aldrich Hale.....	Chicago	Louis Charles Frederick Metzger, Belleville	
Lilian Hammers.....	Champaign	Nellie Augusta Miller.....	Urbana
Myrtle Neta Hannum.....	Decatur	Charles Stuart Montooth.....	Toulon
Carl Menelaus Hanstein.....	Chicago	Henry Hiram Morey.....	Greenville
Guy Byron Hardy.....	Galesburg	George Walker Morgan.....	Urbana
John Matthew Harney.....	Joliet	Ora Sherman Morgan.....	Hampshire
Edith Elizabeth Harper.....	Urbana	Sidney Dealey Morris.....	Chicago
Mabel Strickland Hayward.....	Ottawa	Lewis Conrad Moschel.....	Morton
Howard Spencer Hazen, Jr.	La Salle	Haven Haanel Moss.....	Urbana
Pearl Higinbotham.....	Champaign	Mary Frances Moss.....	Urbana
Theophil Henry Hildebrandt, Carpentersville		Walter Herman Mueller.....	Chicago
Ida Myrtle Hill.....	Champaign	Emily Lavinia Nichols.....	Chicago
Frank William Hillman.....	Chicago	Charles Morrison Nuckolls.....	Urbana
Glidden Hinman.....	Dundee	Charles Slade O'Connell.....	Champaign
Charles Henry Hittson.....	Neoga	Blenda Olson.....	Urbana
Josie Batchelor Houchens, A.B., (H. Sophie Newcomb Coll.), 1903.....	New Orleans, La.	Fred Oscar Pahmeyer.....	Decatur
Cleves Harrison Howell, Ph.B., (Wooster Univ.), 1901.....	Keokuk, Ia.	Walter Harriman Parker.....	Peoria
Guess Humphrey, A. B., (Univ. of Neb.), 1902.....	Clifton, Kans.	Mrs. Allie V Parks.....	Urbana
Harry Alexander Huntoon.....	Moline	John Winthrop Pearson.....	Chicago
John Samuels Huntoon.....	Moline	Fred George Pegelow.....	Chicago
Manuel Joseph Jacobs.....	Chicago	Frederick Bowman Penwell.....	Danville
Thomas Lewis Jarrett.....	Divernon	Alphonso Lorenzo Perry.....	Cornell
Guy Carlyle Johnstone.....	Bloomington	Grace Darling Phillips.....	Kansas City, Mo.
Frederick William Kasten.....	Dolton Station	Nelson Chancellor Phillips.....	Lena
Lawrence Swasey Keeler.....	Chicago	Lela Gretchen Pilcher.....	New Castle, Ind.
Curtis Elmer Kelso.....	Thomasboro	Anna Shaw Pinkhum, B.L., (Univ. of Wis.) 1899.....	Eau Claire, Wis.
Eugene Crouse Kenyon.....	Peoria	Henry Everett Pond.....	Greenview
Mrs. Ida Angeline Kidder, Cedar Rapids, Ia.		Frank Alfred Randall.....	Cambridge
Arthur William Kirkwood.....	Chicago	Ruth Reat.....	Charlestown
Gustave August Kramer.....	Streator	Maurice Holmes Rees, A.B. (Monmouth Coll.), 1904.....	Newton, Ia.
John Krippner.....	Chicago	Nelle Wheeler Reese.....	Ravenna, O.
Otto Kuehlcke.....	Davenport, Ia.	Robin Roy Reid.....	Greenville
Lucy Mac Lewis.....	Pomona, Cal.	Edwin Theodore Renner.....	Lanark
Russell James Lewis.....	Denmark, Ia.	Virginia Campbell Richeson.....	E. St. Louis
Charles Patrick Augustus Lonergan.....	Polo	William Hanson Roney.....	Chicago
Troy Lovell Long.....	Taylorville	Clarence Judson Rosebery.....	Peoria
Bruce Hjalmar Lundahl.....	Gibson City	Robert Malcom Ross.....	Chicago
Ethel Electa McAnulty, B. S. (Carthage Coll.), 1903.....	Carthage	Wade Hampton Rothgeb.....	Wellington
Estella May McCarthy.....	Moline	Howard Meek Roy.....	Anna
Agnes McDougall.....	Ottawa	Harry Kelly Rubey.....	St. Louis, Mo.
William McGinley.....	Mowcaqua	William Gustavus Sachse.....	Morris
Sylvester Joseph McGrath.....	Warrensburg	William Edgar Sampson.....	Tice
		Fred Scott Sawyer.....	Chicago
		Josephine Scherer.....	Murphysboro
		Hugo Schmidt.....	Chicago

Frederick Schott, Jr.....	Chicago	Howard Charles Storm.....	Lockport
Charles Ward Schroeder.....	Joliet	George Sype.....	Fairbury
Alfred George Schutt.....	Belleville	Ruth Beatrice Taylor.....	Champaign
John T. Scott.....	La Moille	William Sumner Thayer.....	Chicago
Claude Henrickson Seymour.....	Elgin	James Arthur Thompson.....	Layton
Carrie Belle Sheldon, Ph.B., (Ottawa Univ.),		Andrew Edward Tracey.....	Toluca
1901.....	Ottawa, Kans.	Albert Francis Trams.....	Loda
Andrew Bradt Shipman.....	De Kalb	Albert Fred Triebel.....	Peoria
Charles Edward Sims.....	Lincoln	Anna Roberta VanMeter.....	Urbana
Della Jarrett Sisler.....	Emporia, Kans.	Edgar James Vines.....	Hoopeston
Charles Edward Skelley.....	Champaign	Sophie Mary Voss.....	Champaign
Hazel Sloan.....	Helena, Mont.	Edgar White Wagenseil.....	Port Huron, Mich.
Edwin Raymond Smith.....	Champaign	Ulysses Garfield Ward.....	Shelbyville
Fred D Smith.....	Alexis	Laura Belle Warder.....	Marion
Kenneth Gardner Smith, A. B., (Univ. of		William Herbert Warner.....	Dixon
Chicago), 1896.....	Dixon	Arthur Ray Warnock.....	Mason City
Thomas Barrington Franklin Smith.....		Chris Beach Watrous.....	Hampshire
	Carbondale	Edmund Burke Wheeler.....	Bellflower
Valentine Smith.....	Urbana	Hilda Kirke White.....	St. Joseph, Mo.
Wesley Newton Spittler.....	Mattoon	Alva Lewis Wilt.....	Lovington
Alphonso Perry Standard.....	Lewistown	Frank Rae Winders.....	Urbana
Roy Stebbins.....	Summer Hill	Harriette Wray.....	Winnebago
Angeline Jones Stedman.....	Champaign	Robert Elgene Yolton.....	Brownstown

COLLEGE OF MEDICINE

Degree of Doctor of Medicine and Surgery

Degrees Conferred June 6, 1905, in Chicago

William Richard Agate, A. M.	Forrest Russell Butterfield
George Ludwig Alt	Matthew Philander Cady
Malcolm Percival Andrews	Joseph Robert Cameron
Francis John Antoine	William Patrick Cannon
Edward Kent Armstrong	Walter Caron, Ph. G.
Harold Le Roy Avery	Frank Taylor Cary
Daniel Francis Ayers	William E. Casey
Henry Patterson Bagley	John August Christenson, A.B.
Nellie M. Baker	Arthur Neville Clagett, B.D.
Jesse Ballou	Charles Cornelius Clark
Justin Guy Ballou	Daniel Thomas Cole
Clayton Elmer Bartlett	Stanley Ray Coleman
William Hunter Barr	Robert Earle Conklin
David Emmanuel Bass, B.S.	James Joseph Costanzo
Frederick Oswald Beck, Ph.G.	J. Allen Crawshaw
Arthur Herbert Beebe	James Adam Crouch
Xenia Ethel Bond, A.M.	Fred Sheets Cuthbert
Fred Phelps Bowen	George H. Dando, B.S.
E. Arthur Bowles	Bertram Charles Davies
C. Gareld Brethouwer	Harriet Davies, A.B.
James Carse Brixey	Floren Fred Davis
Frederick Brown	Leonard Pratt Dawes
John Payne Browne, B.S.	George Almarion Dean
James Edward Buckley, D.D.S., Ph. G.	Arthur J. E. Decker
Albert Ross Burgess	William Edward Dodge
Lynan Ambrose Burnside	Ferdinand Edward Dostal
Herman Busman	James Edward Dowd

- Jirah Marston Downs
 James T. Duhigg
 Vernon Amasa Dunshee
 John Bernard Eagan
 James Edward Edwards, A.M.
 John Joseph Egan
 Thomas Sylvester Egan
 William Joseph Egan
 Benjamin Ernst Eversmeyer
 Frank John Fara
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 Frank Bernhardt Fastabend
 David Henry Fitzgerald
 Archibald Gray Fletcher
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 George Edward Forkin
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 William V. Gale, B.S., Ph.G.
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 Justus Corbly Garard
 Merritt Nelson Gernsey
 William Adolph George, B.S., Ph.G.
 Charles Frederick Goetzinger
 Charles Edwin Godwin
 J. Matt Gordon, B.S.D.
 Charles Philip Gore
 Oscar Emanuel Grant, A.B.
 William Karg Gray
 William Charles E. Greenwald
 Benjamin Chase Grout
 Martin Melvin Grove
 Frank M. Hagans
 Emil Hahn
 Marshall William Harner
 Romeo Catlin Harner
 Patrick Henry Hastings, Ph. G.
 Arthur Russell Hayton
 Alva Hiett
 Samuel George Higgins, B.S.
 Anna Bolender Hinds
 Harry James Hoag
 Hubertus J. H. Hoeve
 Fred Grant Hopkins
 Abram Hostetter
 Ruffin Barrow Jacks
 Harry Asbury Jefferson
 Joseph A. Jerger
 Henriette Amanda Johnson
 Harold Herbert Johnson
 Fred Wade Jones
 Griffeth Moses Jones
 John Branson Jones
 James Francis Kearney
 Charles Dilworth Kelly
 Curtis Elmer Kelso
 Harley Emmett Keyes
 John Joseph Killen
 Theophilus Kubricht
 Le Roy Phillip Kuhn
 Shirley Charles Lang
 William F. Lauterbach
 William Martin Lawyer, A.M.
 Clare Sumner Learned
 Emil Zola Levitin
 Joseph William Livingstone
 Albert Luesing
 Lawrence S. B. Lundwall
 Charles McArthur
 Charles Asa McConnell, B.S.
 John Alexander McKay
 Frank William Mackoy
 Charles Alford Magahy
 Clark Champlin Meeks
 Wheeler Hayes Melvin
 Charles Walter Merritt
 Frank Waldo Merritt
 Agnes Mikkelsen
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 George Edwards Miller
 John Frederick Miller
 William Montgomery
 George Wilford Moore
 Leone Morden
 Nelson Case Morrow, B.S.
 William Chalmers Mount
 Patrick A. Murphy
 Louis Winfield Myers
 Albert Okerstrom, A.B.
 Olof Oisson, A.B.
 Francis William O'Neill, A.B.
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 Olin Earl Parmelee
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 Tilman Howard Plank
 Charles Julius Plonski
 Clarence Day Powell
 George J. Powers
 Carl Matthew Ranseen, B.S.
 Melbourne Raynour, B.S.A.
 William Henry Reed, A.B.
 Daniel E. Ricardo
 Felix Herman Renberg
 Harrison Christian Riegel, Ph.G.
 Henry Andrew Roach
 Frederick Henry Rodemeyer
 Albert Alexander Roth
 Frederick Rudnick, Ph.G.
 Robert Karlson Sarheim
 Robert Garfield Savage
 Elisha E. Sayad
 Charles Peter Schell
 Charles Henry Schmidt, Ph.G.
 Charles Mathias Schoen, A.B.

Oscar Victor Schröeter
 Orie Frank Schullian
 Louis Schultz, D.D.S.
 Henry Thomas Sethney
 Margaret Sherlock
 Frank Elmer Shimer
 Rudolph Virchow Sintzel
 Hugh Henry Slocumb
 Maude Stephens Slocumb
 Orley Eugene Smith
 Frank William Sorrell
 Arthur K. Stangland
 Lester Miles Stearns
 Richard Charles Steffen
 Roy George Stevens
 Raymond Ward Stough
 Ralph Spencer Stryker
 Clarence Everett Sturgeon
 Tannus Ferris Tannus
 William Scott Tompkinson

Eugene E. Tupper
 Frank Underwood
 Fay McVey Vanatta
 George Hiram VanKirk
 James Alois Wagner
 Eugene Wallace
 Joseph Mark Walsh
 William George Weideman
 Michael Charles Welch
 Herbert Bertram Wentz
 Charles Frank Werner
 Ross Steele Weyer
 Carl Hixson Wilkinson
 Frank Vanatta Willhite
 Ira Raymond Willits
 Sena Louisa Willmering
 Clifford Vane Winsett, Ph.B., Ph.G.
 Simon Leo Wissig
 Wesley John Woolston
 Frederick Woltmann

SCHOOL OF PHARMACY

Graduate in Pharmacy

Degrees Conferred April 27, 1905, in Chicago

Carl Martin Aaseth
 Benjamin Robert Abrams
 Carl Godfrey Anderson
 Frederick L. G. Berthlein
 Arthur E. Curtis
 Lawrence August Dickhut
 Guy Garland Dillow
 William Vincent Dufner
 August Edward Gerhardt
 George J. J. Guerten
 Michael Indovina
 Herman Ferdinand Jacob
 Milton Johnson
 Thure William Johnson
 Thomas Lewis Larson
 John Victor Lee
 Justin Aaron Levin
 William Henry Longshore
 Walter Henry Moreland

Leonard Joseph Ostrowski
 Louis W. Plummer
 Charles Edward Powell
 Theodor Immanuel Scheips
 Bernard Hermann Schultejaann
 John Martin Siebrandt
 Harry Eugene Slauson
 Hugo Franz Staack
 John Herman Wehrley
 Thomas Hudson Wile
 Walter Hines Whisenant (class of '01)
 Lewis Lambert Alkire (class of '03)
 David Zamentowsky (class of '03)
 Bertram Louis Breithaupt (class of '04)
 Raymond Nelson Hards (class of '04)
 Phillip Charles Johnson (class of '04)
 Forrest David Macham (class of '04)
 Charles Edward Mattix (class of '04)
 Stanley Rensselaer Pattison (class of '04)

SCHOOL OF DENTISTRY

Doctor of Dental Surgery

Degrees Conferred May 6, 1905, in Chicago

Herbert Swiger Alsip
 George Dunn Ament
 Bernard B. Autenrieth

Earl Root Bailey
 Grace Baker
 Walter Howard Berry

Harry Seacord Bott
 James Alfred Campbell
 Leon William Clancey
 John Robert Clarey
 Charles Edgar Comer
 William Horace Crandall
 John Elbert Darmer
 Lee Earl Elser
 J. Joseph Flanagan
 George Edwin Funston
 Stephen Francis Gordon
 Milton Absalom Grissom
 Robert John Gunn
 George Russell Houston
 Kenneth Ward Houston
 Robert Edgar Houston
 Francis Hodge Ivey
 Frank Hetherington Kelly
 Norman LeRoy Kerr
 Nathan Kimmel
 William Aloysius Krebs
 Robert William Krog
 J. Byron LaDue
 Harvey Middleton Lancaster
 Edwin Arthur Lewin
 Thomas Henry Logan
 Arthur Garfield Lyle
 William George McCall
 John Francis McDonald
 Charles McDowell
 Elmer N. McDowell
 James Edward McKahan

Jeremiah Francis McSwiggin
 Jay Phillips Marshall
 N. Ray Mecham
 Albert Mindlin
 Vernon Alvin Moore
 Arthur G. Nauman
 Robert G. Norgren
 Clarence C. Nugent
 David A. Peterson
 J. Chester Pogue
 William Roy Porterfield
 Michael James Quinlin
 Stonewall J. Ramsey
 Roland Roderick Rains
 Paul A. Rotzoll
 Theodore L. Schroeder
 Harry V. Shaw
 Charles M. Sherrill
 F. Heyworth Smith
 Irving Leland Smith
 Edward William Smith
 Maurice Harry Spare
 George Hume Setphenson
 Arthur J. Stevens
 Wilhelm Ferdinand Stone
 Homer Briddell Strain
 James M. Thomas
 Tom Waterworth
 David Ignatz Weisz
 Arthur LaMonte Wood
 Peter Frank Wybraniec
 Arthur John Hellmuth Young

DEGREES CONFERRED IN 1905

College of Literature and Arts.....	78
College of Engineering.....	96
College of Science.....	27
College of Agriculture.....	17
College of Law.....	19
College of Medicine.....	213
College of Dentistry.....	70
School of Library Science.....	20
School of Music.....	1
School of Pharmacy.....	38
Graduate School.....	21
Honorary Degrees.....	2
TOTAL.....	602

UNIVERSITY OF ILLINOIS

DEGREES

1. IN THE COLLEGE OF LITERATURE AND ARTS the degree of Bachelor of Arts, A.B., in four-year courses as follows:

1. The ancient classical languages.
2. English literature and language, including rhetoric.
3. The Romanic languages—French, Italian, and Spanish.
4. The Germanic languages—German, Scandinavian, and Danish.
5. The political and social sciences, including history, economics, sociology, anthropology, and science of government.

The work in economics is so developed and arranged that taken in combination with other subjects it furnishes:

6. Courses of training for business.
7. Philosophical subjects, including philosophy, mathematics, psychology, education, and ethics.
8. Courses in Library Science, consisting of three years' College work, and the first year in the School of Library Science.

2. IN THE COLLEGE OF ENGINEERING the degrees of Bachelor of Science, B.S., in four-year courses as follows: (1) In Architecture, (2) in Architectural Engineering, (3) in Civil Engineering, (4) in Electrical Engineering, (5) in Mechanical Engineering, (6) in Municipal and Sanitary Engineering, (7) in Railway Engineering.

3. IN THE COLLEGE OF SCIENCE the degree of Bachelor of Arts, A.B., (in special cases the degree of Bachelor of Science, (B.S.), in four-year courses, as follows: (1) Chemistry, (2) General Science, (3) Household Science, (4) Mathematics, (5) Education, (6) Physics, (7) Preliminary to Medicine, (8) Library Science.

4. IN THE COLLEGE OF AGRICULTURE the degree of Bachelor of Science, B. S., in four-year courses, distributed in departments of—(1) Agronomy, (2) Animal Husbandry, (3) Dairy Husbandry, (4) Horticulture, (5) Household Science, (6) Veterinary Science.

5. IN THE COLLEGE OF LAW the degree of Bachelor of Laws, LL.B., in a three-year course in law.

6. IN THE COLLEGE OF MEDICINE, College of Physicians and Surgeons, Chicago, The degree of Doctor of Medicine, M.D., in a four-year course in medicine and surgery.

7. IN THE COLLEGE OF DENTISTRY, the degree of Dental Surgery in a three-year course in dentistry.

8. IN THE SCHOOL OF LIBRARY SCIENCE the degree of Bachelor of Library Science, B.L.S., in a five-year course.

9. IN THE COLLEGE OF MUSIC the degree of Bachelor of Music, B.M., in four-year courses in vocal and instrumental music.

10. IN THE SCHOOL OF PHARMACY, Chicago College of Pharmacy, the degree of Graduate in Pharmacy, Ph.G., in a two-year course, and that of Pharmaceutical Chemist, Ph.C., in a three-year course, in pharmacy.

11. IN THE GRADUATE SCHOOL the master's degree after the Bachelor's degree for one year of graduate work in arts, science, architecture, and agriculture; the degree of Civil Engineer, C.E., Electrical Engineer, E. E., and Mechanical Engineer, M.E., after that of B.S., for one year of graduate work in the respective engineering courses; and the degree of Doctor of Philosophy, Ph.D., for three years of graduate work leading thereto.

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ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS

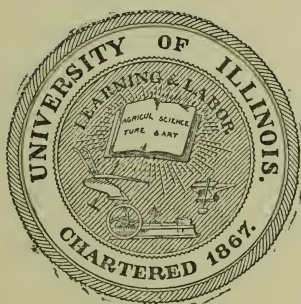


MEETING OF JUNE 12, 1906

URBANA, ILLINOIS
PUBLISHED BY THE UNIVERSITY

PROCEEDINGS
AT THE MEETING OF THE
ALUMNI ASSOCIATION
OF THE
UNIVERSITY OF ILLINOIS

JUNE 12, 1906



ANNUAL ADDRESS BY
CHARLES HENRY DENNIS, A. M.

URBANA, ILLINOIS

PUBLISHED BY THE UNIVERSITY

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NOTICE—

I hope that without waiting for formal asking, I may receive early information of all matters concerning alumni which will be of interest to the Association.

Changes of residence and occupation are especially desired.

W. L. PILLSBURY,
Secretary.

LIFE AND ITS PROBLEMS

Address Delivered to the Alumni Association
of the University of Illinois, June 12, 1906

....BY....

CHARLES HENRY DENNIS, A. M., '81

In our school-day exercises, as I very well remember, some of us had much to say about life and its problems. Since we are here today to recall the past, I deem it fitting to take up the old subject, thus contributing to the illusion that the old days have come back again. None of us, however, is likely to speak so confidently now upon the problems of living as we did in other years, when we knew nothing whatever about them. If pressed for particulars on any one of these problems today, we should be inclined to change the subject. For, since we have been out in the world, rubbing up against the facts of existence, not a few of those facts have stuck to us with unpleasant tenacity. Now, facts, as some philosopher has complained with reason, hamper one abominably. Generalities, fortunately, do nothing of the sort. Besides, they bring back the old times; for then we were particularly strong on generalities.

It seems only right to offer this apology for attempting to deal with life in set phrases, after it has, in a measure, lost its novelty for us. Life, viewed prospectively, is most fascinating. We have looked at it thus in days gone by; therefore we know. Life in retrospect is a theme for the elders at the fireside. We protest, one and all, that we are not ready yet to sit in the

chimney corner and relate our reminiscences. Indeed, for anyone even to hint that we are, would be past endurance. We try to be tolerant, as becomes persons of this enlightened age, but we have to draw the line somewhere.

Though we, or at least many of us, cannot well deal with life prospectively, owing to circumstances over which we have no control, nor yet retrospectively, because we will not consent to do so, we may, I trust, indulge with profit in a moderate amount of introspection. It is on this assumption that I venture to proceed.

A cynical version of a familiar story recites how a shipwrecked sailor, driven by the waves upon an unknown and desolate coast, drew together the remnants of his shattered bodily forces and climbed slowly and painfully to the top of a hill not far away. Having reached its summit, he sought with eagerness to discover from that outlook whether savages or Christian people dwelt in that land. As he stood there, gazing into the valley beyond, hopeful and yet afraid, he saw at no great distance a gallows, standing by the roadside, stark and dreadful. Thereupon, with an exclamation of joy, he fell upon his knees, full of thankfulness that he had been cast upon the shore of a civilized country.

As loyal products of the time, we all can sympathize with that shipwrecked sailor. What he saw before him was a symbol of a known civilization and therefore good. We, too, are prone to accept readily and perhaps without question whatever is familiar. We have been given mysteriously a world to live in. It is, judged by our five senses, a beautiful world. Being disposed to make the best of things, we hasten to adjust ourselves to our surroundings with such skill as we possess. In so doing we are cheered by the thought—though the law of brotherhood should cause us to be saddened instead—that multitudes of our fellow-beings are not so comfortable as we are. Reflections such as these induce us to believe that any evil omens which are visible against the horizon have a direct and painful significance only for less fortunate members of the human family. Since we conform scrupulously to convention, have mastered most of our appetites and possess a fairly complete equipment of thrift and selfishness, it is reasonably certain that we shall do well enough.

This, at least, is the attitude which some of our established ideals encourage us to assume. But there rises in our souls, as

we gain in experience and observation, a clamor for the disestablishment for such established ideals. Within the shell of our conceit, sharp self-questionings disturb the calm which very likely would be unvexed if happiness were really so simple an emotion as to be expressed in concrete form by a substantial balance at the bank. We have tried prosperity and it does not altogether satisfy. We have traded with profit in the market-place. We have wrought with skill and industry. We have thrived under the workings of the stern law of selection by which the unfit speedily go to the wall. In short, we have accepted the world as we found it, have shaped ourselves to its requirements and by so doing have, in some degree, achieved success.

Success is, no doubt, praiseworthy. But, having succeeded, what do we signify?

We who have met here after long separation find once more beating in our bosoms the hearts of youth. These renewed associations amid these surroundings poignantly recall our youthful emotions and aspirations. We anxiously apply to ourselves a most searching and pitiless test—comparison with what we had hoped to be. We see in the faces of former companions the strong lines of character which come from fixed purpose and earnest deliberation. Seeing them, we realize that upon our own faces our characters are written as clearly. Does the scrutiny of the wise and kindly eyes of those who knew us when our lives were all promise find today upon our countenances that which honors us by its presence there? If so, we may look with serenity, though perhaps not without regret, upon those early dreams of ours which did not come true.

We regard ourselves today a little curiously—a little doubtfully, as well. This, then, is what we are. Steering, according to our best knowledge, amid adverse currents, with favoring winds or against perilous gales, we have made the port in which we ride. What we are is interesting enough to ourselves, but does it matter particularly to others? We, finished products of classroom drill applied by that highly recommended process, a university course, set down amid the vast opportunities of the ardent world, should have gained some significance. Have we indeed proved ourselves worth while? Is there light and leading in us, or have we devoted ourselves merely to our own affairs to the exclusion of the affairs of humanity?

Nature's profoundest lesson to man is, perhaps, that the individual matters relatively not at all. The type persists, if it be entirely fit, but each representative of the type is at best a mere random sketch to illustrate its progress. From many individuals the type obtains no more than the sinister promise of decadence expressed in their unfitness. In the face of such drawbacks or disasters, the type must be cherished, while the individual passes like a breath. Still, whatever in the individual is rare and fine, whatever pre-eminently desirable, may go to improve the type permanently. The records of noble lives which history or legend has preserved to gratify that hunger for inspiration felt by mankind continually throughout its instinctive struggle for better things, the deathless words spoken by strong men under stress or mirroring the untroubled depths of great souls, the glorious deeds that thrill us—these are permanent elements of growth into the higher humanity. By these the race benefits from age to age.

The lives which make the world better are, speaking for the human family, the only lives really worth while. There have been, perhaps, lives which made the world neither better nor worse than it would have been without them. Yet it is difficult to think that any life which fails to bestow refreshment upon other lives can be absolutely neutral. One must rather deem it likely that neglect by the individual of his opportunities to do good, works positive harm, engenders bitterness or despair, and lays additional burdens of evil thoughts upon humanity. If this be so, if sins of omission have such grave consequences, who shall measure the deplorable results of active sinning?

Still, is it not a fact that an ill deed frequently produces so powerful a reaction that an individual or individuals, even entire communities or great peoples, move forward ethically by reason of that deed? No one will gainsay the mighty and lasting results produced by the strong-flowing tides of emotion that sweep humanity when martyrs perish for the truth. Active evil clearly has its uses in the march of progress, since it arouses in souls which abhor evil those militant forces upon which the race depends in any crisis. Good is attained through evil too often to place that phenomenon beyond the pale of common experience.

If we have prepared ourselves by reflections such as these to regard as truly meritorious only the individual who is the exponent of mankind's spiritual enlargement, to believe that he alone does his part well who assists in some degree to advanced the banners

of humanity, we shall view ourselves in our one significant aspect. Thus, we deny true merit to the selfish man who conforms to the established laws of society while busying himself exclusively in gathering into storehouses substance for his own enjoyment. Must, then, that other man who, because of his evil deeds, produces good results by arousing the indignation of those around him and, through this compelling emotion, a swarm of noble and generous emotions, be placed higher in the scale of usefulness than the man exercising practically no influence whatever? Experience tempts us to reply affirmatively.

The man who is so self-centered as to produce nothing except that which is for his own good, who is so absorbed in material things as to have no place in his soul for thoughts involving the good of others, accomplishes nothing for the race. Dull selfishness expressed in human lives can only draw more closely the shades of this mortal prison-house for those who come within the circle of its manifestations. The world, tense with the conflict by which progress is won, receives no help from those who, being comfortable in their own persons, care only to remain in that condition. Yet the besetting sin of the time, as is generally recognized, is greed for personal gain at any hazard. This is where we fail, and here we should apply the remedy.

Let us be just, however, if for no better reason than that we are passing judgment upon ourselves. We of this modern time have made notable advances in our regard for the welfare and the rights of others, as compared with earlier generations. We give no such crude displays of our passion for self as did our primitive forebears. Yet, if we are just to those ancient folk also, we must admit that we are not subject to the hard compulsion by which they were driven. Food production has so increased in this day that countless millions of human beings are required to consume the supply of edible substances. Have we, then, as a race advanced very far in true kindness, or have certain surface indications of our inherent selfishness merely fallen from us because of the disappearance of those conditions of savage forest life, or narrow feudalism, under which the instinct of self-preservation taught each warrior to keep down the population with club and spear?

Our present institutions are based to a considerable extent upon the steady and rapid increase of the human family. We

deplore the sufferings produced by a war, an epidemic, or a great disaster of any sort, but we also count it a shocking economic loss, because it kills or impoverishes thrifty multitudes to our own substantial hurt. In this commercial age the people far and near are not merely men and women; they are social units—producers and consumers, if you please—and their prosperity is a boon to a round world of shopkeepers. Our growing crops, our herds upon the ranges, our huge manufactories, our rail and water transportation, our various speculations, require continually for their best uses more men and women, more social units, with means to provide for their needs. It is to our interests also that as populations multiply their wants shall multiply as well. Therefore we wish them to be not only prosperous but progressive. For selfish reasons, though better ones are not lacking, we reject the teachings of that archaic political economist, the savage, who destroys his wild neighbor as a provision against famine. Under the benign instruction of a more finished school of political economy, we do not slay our fellow man—we exploit him.

We are irritated sometimes when young children persistently inquire of us why things about them are as they are. For us it seems sufficient to know that custom has established these things as they now exist. Doubtless we should be wiser and better, and the world would benefit as well, if we were as ready as children are to seek for reasons and weigh them when found. In our large content with existing conditions, if we do not go so far as to pronounce this the best of all possible worlds, most of us do conclude that, since it will serve our purposes, we should be satisfied. Yet we who, by our university training and our other advantages, are exceptionally well prepared to win places for ourselves, should be more just than to employ our own condition as a yardstick with which to measure the planet. In our artless egoism, if we are happy and prosperous, the distress of others often seems much like a fault to us. Success so hardens the heart—or, rather, so dulls the comprehension—that it tends to inspire condemnation of the wretched for their ill fortune. In our general confusion of ideas, we even seek to direct our steps heavenward selfishly, having been reliably informed that by being good in this life we shall gain great rewards hereafter. So we abstain from every form of wickedness for which we have no special inclination and feel that in consequence our merit is very

great. If, however, because of careful nursing of our favorite sins, we render no assistance to our fellows, the world is not benefited by our having lived and the good opinion of ourselves which we entertain cannot atone for our essential unworthiness.

Our haste to adapt ourselves to conditions as we find them tends to rob us of our individuality, and thus we may become merely a piteous reflex of our environment. We think conventional thoughts, we do conventional things. Having been called as laborers in the vineyard of the world, we feed at our ease on the ripe fruit which hangs near us, rejoicing at its abundance or grumbling at its scarcity, but giving no return for what we get. Our acceptance of conditions as they are renders us worse than we were and the conditions no better. We make ourselves morally insignificant that we may achieve material success the more readily. Thus we gain food and clothing sufficient, and more than sufficient, for our needs and think our duty done because we thrive. Becoming sleek from good feeding, we are important in our own eyes, though inconsequential in our relations to mankind. We die at last, lamenting that we have to go so soon, but all who know us are quite resigned. Such a life is not a successful life, no matter what the obituaries say.

Permit me to express a considerable degree of skepticism in regard to the value of many features of our so-called progress. We have, for one thing, glorified material advancement in an absolutely heartrending way. Indeed, recent revelations indicate that, in many conspicuous instances, we have squeezed almost all morality out of it. We are compelled to prosper largely, in a material sense, because we have multiplied our bodily wants in such a marvelous manner. The more we have of them, the fiercer must be our struggle to satisfy them, and the less can we afford to be nice about our methods. So far as the satisfying of these newly created wants by legitimate effort tends to ameliorate the condition of mankind, it is of course, an aid to real progress. But for true advancement, an age must have intellectual leadership and a following that is willing to be led in paths of intellectuality. For this reason, the slow-pacing sandal of the ancient philosopher under the plane trees had its advantages over the high-g geared motor-car on the asphalted highway. We of to-day are so busy making and spending money that we have scant time to think of higher things. We do our acts of kindness by deputy, if we do such acts at all, for we are too deeply absorbed in our own affairs to give

personal service to the needy. We wait to establish a practical time-saving system of applying it before we indulge in the luxury of a generous emotion. We organize a society on lines approved by professional, salaried philanthropists as a necessary preliminary to presenting a cup of broth or a blanket to a sick child. We are, in short, so coldly practical as to be gravely deficient in that form of progress which tends to emancipate the mind from the slavery of self-interest. If we weigh ourselves down with burdens which stand for selfishness, if all our days are devoted to getting, at the height of that success of which we are so proud, we are mere flies drowning in a honey-pot.

In this enlightened day we boast of the wealth which comes in countless millions from railroad and mine and factory. Yet the killing of workmen in industrial operations—by explosions in mines, by the fall of scaffolds, by railroad accidents—goes on at an appalling rate. Such deaths in this country are numbered by tens of thousands yearly. We are, furthermore, filling the land with cripples. These killings and maimings are due in a very large number of cases to a policy of economy which fails to provide proper appliances for the safety of those who toil. Surely lives should be valued above dividends. They would be so valued if we had actually made such progress as we have induced ourselves to believe. Slaughter which is incidental to cheap operation of a railroad or a manufacturing plant is the accusing bloodspot on the hand of our industrial Lady Macbeth. It is not a cause for satisfaction that the murderess as yet does not care particularly. Let us hope that the time is at hand for her conscience to be aroused to the enormity of her crimes.

Nor can we hold ourselves guiltless while we tolerate the city slums. We leave little children to exist in filthy streets and alleys and amid scenes of vice. We give no care to their stunted minds and puny bodies. So they live in physical and mental degradation until they die. If they succeed in growing up, we have for them the lazaretto, the prison, or the gallows, when they leave their slum. That, however, is theirs, so long as they do not annoy us by preying upon our property or threatening our bodies with contagion. How are we to justify our neglect in failing to abolish these forcing-beds for the propagation of misery and crime? By this neglect we permit the growing in startling numbers of defective bodies and defective souls. What a contribution to the race,

which is persistently struggling upward in the face of such crushing difficulties! Our remote ancestors, who hunted the cave bear and dyed themselves blue with woad, deemed it both necessary and pious to offer human sacrifices. But the modern gallows or prison is not truly a symbol of our religion. It would not have to be fed with victims if we were half so eager to banish evil from the lives of others as we are to secure material benefits for ourselves.

These are things which the men and women turned out by the higher institutions of learning should consider most seriously. For increasing numbers of them to employ their trained minds as merciless weapons of offense in the struggle for advancement is to make that struggle continually more bitter. Rather should they use their keen intellects as arms of precision for destroying the wolves of greed and injustice that devour the weak and the unwary. Put to such uses, they would bring notable benefits to humanity with each passing year.

The law of balance, of compensation, which prevails throughout the universe, will not permit the individual to achieve true happiness along the pathway of self-seeking. Isolation renders existence intolerable. Companionship which does not include sympathetic regard for each by each is worse than solitude. The terrible "overman" who forms the ideal of the grim philosophy of Nietzsche the genius who sacrifices all the kindly emotions upon the altar of power, and whose greatness renders his cruelty a virtue may have had, in the view of his contemporaries and victims, an actual existence in the person of some tyrannical ruler of other days. He may exist even today, according to his own conceit, as the manager of some great, oppressive industrial combination. But humanity, in spite of its imperfect ideals and its dumb acceptance of inherited evils, will never again be so docile as to concede to such a monster the right to be happy through the injury of others. The doctrine which proclaims Christ a weakling and Napoleon a demigod cannot make head against the longings of each normal mind, which has experienced the blows of existence and reflected maturely upon them, to mitigate in some degree the sufferings of those oppressed by the wrongs of our imperfect civilization. The growth of this longing marks the progress of mankind toward that goal of ultimate good which the race through the centuries is blindly seeking.

Effort which contributes merely to our selfish enjoyment is, then, effort lavished upon an object that is soon to perish and leave no trace. Effort expended for the good of others makes a lasting impress upon the time and therefore upon the future. It hastens the consummation of the age and the dawn of a more spacious day, the achieving by humanity of a broader knowledge and a deeper wisdom. To enter heartily into the combat against the wrongs which have persisted to our time, to continue to war upon them until they are weakened if not destroyed, is to assist notably in the long struggle for justice. That our duty to mankind requires us to bear an honorable part in this struggle is the great lesson which we learn in the school of life.

Bringing back with us this lesson, learned well or ill, as we meet here amid cherished memories of our youth, we are ready to declare that true happiness to the mature mind consists in broadening one's usefulness. The purpose of life, at the present stage of mankind's evolution, is apparently to teach one the futility of exalting self. Having had this demonstrated for us by the convincing processes worked out through the years, we are more thankful for our honorable scars than for our wordly successes which have marked the overthrow of weaker men. Character, not wealth nor place, is the enduring benefit which we get out of living. If we have been kind, if we have restrained somewhat our passion for gain, so that we might not trample others down, we rejoice in our souls to possess such proofs that our better selves not only have survived but in a measure have ruled us. If no man can say we drove him to his ruin, if we are not of the forestallers, we have reason to look back on our lives with satisfaction, whether our wordly possessions be large or small. The quiet mind, filled with the peace which comes from knowing that one has done one's best for mankind in one's little corner, is the greatest of all possessions when death comes to attach the colophon to the brief record of one's life.

Effort should be made to teach young men and young women, while they are preparing themselves for their careers, the need of possessing in their own souls the power to sustain not only sorrows and defeat but wordly prosperity also. Those who cannot stand success are plentiful, while those who never rally from a stroke of evil fortune are numbered by thousands. The educator should strive to promote the spirituality of the young minds under

his care, in order that they may have something to bear them up besides the pleasures of the senses and the activities of an iron civilization. He should cause them to realize the pathetic limitations of those faithful but feeble watchers on the citadel of life, the five senses. What they have managed to discern within the sublime reach of the universe is little indeed as compared with the profound mysteries which they have been incapable of grasping. The most learned student of science, in the laboratory or under the clear night sky, toiling with test-tubes or lens, is the one most deeply impressed with the limitations of man's power to discover and to know. Yet any shallow teacher of science is prone to marshal with so imposing an air the poor fragments of knowledge which have been plucked with painful effort out of the unknown, speaking with such confidence so-called last words on tremendous subjects, that his tone of authority leads the inexperienced investigator to think there is nothing of very great importance still hidden from the piercing gaze of the scientist. A serious inquiry into the woeful limitations of human knowledge at its highest and best would be a most useful feature of any college course.

We talk learnedly, for example, of the law of gravitation. Yet what is gravitation? We and the remotest stars are linked together and influence each other as we swing in the measureless void. But by what are these influences conveyed across the well-ordered universe? Why, if the ether which fills the interplanetary spaces is the most intangible of substances, does it suffice to bind together unnumbered worlds. Is it not clear that the tests which we are capable of applying are grotesquely inadequate to disclose all the actualities with which we are surrounded?

Turn from the wonderful universe, the largest thing we know, to the smallest thing of which we have any knowledge. The indivisible atom of our college days, the unchangable and indestructable atom is unchangable and indestructable no more. Science knows it now as a multitude of revolving electrons, a solar system in itself, with a controlling ion at the heart of it. The difference between the atom and the planetary system of which we form a part is, perhaps, a mere matter of degree. What is great and what is small—do we know even that? If half-truths suffice as a basis for knowledge we have an abundant lack of it.

Surely we should rejoice in the realization that all about and within us are glorious mysteries we cannot comprehend, which

rule us in spite ourselves. These we shall grasp with a broader comprehension only when the material world is done with us. Meanwhile, let us, through the performance of good deeds, complete our work in a way acceptable to the Great Overseer before, at His command, we open the book of mysteries and learn the reasons of things.

BUSINESS MEETING

The annual meeting of the Alumni Association of the University of Illinois was called to order at 10 o'clock Tuesday morning, June 12, 1906, by the President, Mr. Charles H. Dennis, '81.

At the business meeting, which followed the President's address, John G. Wadsworth, '82, was elected President, and James E. Armstrong, '81, Vice President. Ira O. Baker, '74, and Henry M. Dunlap, '75, were elected members of the Executive Committee. The other members of the Committee are T. A. Clark, '90, whose term expires in 1907, and W. L. Abbott, '84, and N. A. Weston '89, whose term expires in 1908. Ira O. Baker was made Chairman of the Executive Committee.

The members of the graduating class were elected members of the Association.

CANDIDATES FOR TRUSTEES

F. L. Hatch for the Committee on the Nomination of University Trustees moved that the Association recommend for reëlection the outgoing trustees, Messrs. McLean and Bullard and Mrs. Alexander, and the motion was adopted.

There were many expressions of regret when Mr. Bullard announced that he would not accept a fourth nomination to the Board of Trustees if tendered him, and later the following resolution offered by Manford Savage was adopted:

Whereas, We learn with deep regret that Mr. Samuel A. Bullard has refused to become a candidate for reelection as a member of the Board of Trustees, and

Whereas, It is the opinion of this Association that it will be to the best interests of the University to use every honorable means to induce Mr. Bullard to become a candidate for reelection, yet in case he feels that he can not do so, be it;

Resolved, That the Alumni Association of the University of Illinois does express its deepest regret at the retirement from the Board of Trustees

of the University of Mr. Samuel A. Bullard, after eighteen years of most efficient service. It is our opinion that no one person has been more effective in raising the University from a small position to its present high standing than Samuel A. Bullard. His untiring, unselfish, and effective efforts in behalf of the institution have resulted in the greatest benefit to the University, to students, and to the state. This Association, therefore, as a body expresses its sincere thanks to him for his noble work and wishes him the highest success in his future occupation.

The motion was duly seconded and unanimously carried.

On motion of Solon Philbrick the Association recommended the renomination of Lewis L. Lehman, who had been appointed to the Board of Trustees on the resignation of William B. McKinley.

B. A. Slade, '81, S. B. Fithian, '96, and G. A. Barr, '97, were elected members of the Committee for three years. The other members of the Committee are W. W. Williams, '03, A. N. Abbott, '85, and W. H. Beckman, '98, whose term expires in 1907, and P. P. Schaefer, '00, F. L. Hatch, '73, W. R. Roberts, '88, whose term expires in 1908.

Mrs. Alexander, who was present, thanked the Association for its endorsement and promised most zealous efforts in behalf of the University if she should be nominated and elected again.

C. A. Kiler's motion urging the Committee to do its whole duty in regard to securing good nominations of candidates by all political parties was adopted.

HONOR CLASSES

The following order moved by S. A. Bullard was adopted:

It is hereby ordered by this Association that the present custom of having, as the class of honor at our Association meetings, that class celebrating its twenty-fifth anniversary of graduation be continued, and in addition thereto

That each class graduated from the University be urged and expected to provide for a reunion of its members at the University on Tuesday of Commencement week at the end of each five-year period succeeding its graduation, and that each class appoint a committee of three members to have charge of such reunion in conjunction with the Executive Committee of this Association and in the event no class has a committee appointed by itself, then the Executive Committee of this Association shall appoint such committee.

RECORD OF ALUMNI ASSOCIATIONS

On motion of Mrs. J. C. Llewellyn, '77, it was voted that the names of the various alumni associations of the University with the names of their officers be printed in Proceedings of this Association, and that the Board of Trustees be requested to have the same published in the Annual Register of the University.

ALUMNI MAGAZINE

After some discussion of the question of undertaking the publication of an Alumni Magazine, the President was authorized to appoint a committee of five with power to act. These were appointed:

Thomas Arkle Clark, '90, Urbana; Frank W. Scott, '01, Urbana; A. N. Talbot '81, Urbana; H. L. McCune, '83, Kansas City, Missouri; Mrs. H. M. Stone, '03, Bloomington.

F. M. McKay moved that the Board of Trustees be asked to appropriate \$250 for printing and distributing the proceedings of this meeting of the Alumni. Adopted.

REORGANIZATION

S. W. Parr after stating that he was of the opinion that the Association should have a stronger and more efficient organization and should pay its own expenses, moved that the Executive Committee be instructed to consider and report upon the question of reorganization, and the motion was adopted.

F. M. McKay moved that the vote asking the Board of Trustees for money to pay for printing the proceedings be reconsidered and the motion was lost.

MARRIAGES AND DEATHS

The Secretary presented the following memorandum of marriage and deaths:

Marriages.—

- 1873. Frederic Lewis Hatch and Mrs. Ethelyn Baker Foster, December 21, 1905.
- 1877. Benjamin Franklin Crow and Celia K. Jones, June 28, 1905.
- 1887. Ida Eisenmayer and Philip Scheve, May 15, 1906.
- 1892. Edmund Bailey Funston and Ella May Kephart, August 23, 1905.
- 1894. Paul Chipman and Laura Beall Hughes, December 27, 1905.
- William Frederick Slater and Ida B. Coolican, November 22, 1905.
- 1895. Robbins Yale Maxon and Frances Conder, June 20, 1905.
- 1896. Edward Ellsworth Orr and Nettie Gay, November 30, 1905.
- John Calvart Sample and Elizabeth Thacher, June 7, 1905.
- 1897. Eugene Herman Brandt and Jessie Rowman Palmer, August 3, 1905.
- Walter Burrows Brown and Antoinette Mae Farren, January 23, 1906.
- Orval Lee Gearhart and Nellie May Ven Wegen, December 19, 1905.
- Shirley Kendrick Kerns and Jennie Noyes Richardson, December 26, 1905.
- Charles Dutton Terry and Bertha Jane Brown, October 24, 1905.

1898. Rollen Orlando Everhart and Gertrude Azalea Simmons, June 1, 1905.
1899. Ruth Bennett and L. S. Morgan, June, 1904.
Harry Arthur Chuse and Eliza Shinn, October 15, 1905.
Lula Catharine Woolsey and George Pennington Hurst, June 20, 1904.
1900. Florence Maria Beck and Thomas Lawrence McGlachlen, August 22, 1905.
Harry Hasson and Kate O'Brien, October 19, 1905.
Alfred Leonhardt Kuehn and Anna Olive Chacey, October 25, 1905.
Ruthford Thos. Miles and Bessie Bernice Powell, November 6, 1905.
Arthur Z. Roe and Claribel Grigg, June 1, 1905.
Ida Estelle Sawyer and William Grange Tait, June 14, 1905.
Marie L Waldo and Estes Park Taylor, September 27, 1905.
Thomas Henry Wray and Blanche Hepler, June 6, 1905.
1901. Horatio Weber Baker and Harriette Moulton, January 3, 1906.
Faith Bardwell and Charles Earl Wetherbee, July 28, 1905.
Edgar Deforest Bell and Amelia Sieferman, October 14, 1905.
John William Boyd and Rose Jameson, June 21, 1905.
Minnie Clark Bridgman Leonard Ward Ingham, October 25, 1905.
Nellie May Frazey and Edgar James Vines, August 16, 1905.
1902. John Schuyler Bates and Mary Elizabeth Brent, June 29, 1905.
Thomas Philip Cowley and Pearl L. Avery, June 7, 1905.
Henry Leonard Jones and Lou Crabb, September 21, 1905.
Myrtle Gayman and Darwin Schott, October 11, 1905.
Lee Jutton and Mary Busey, May 26, 1906.
Frances George Wendell and Margaret Quinn, June 14, 1905.
Irving Mark Western and Beulah Joiner, May 12, 1906.
1902. Solomon Wolff and Miss Bruckman.
1903. Jessie Isabelle Bradshaw and Harold Russel White, February 10, 1905.
David Ward Chapman and Cora Burnet.
James Fitchie Cook and Grace Miller, March 3, 1906.
Mary Henderson and Carl Joshua Fletcher, December 16, 1905.
Robert Russell Ward and Terzie Isabel Kirkpatrick, September 3, 1905.
George Conrad Habermeyer and Iva Esther Mercer, November 14, 1905.
Banus Hutson Prater and Daisy Fernie Lovett, July 13, 1905.
Victor Lorenzo Sheldon and Nellie Wetzel, June 28, 1905.
Garland Stahl and Jane Mahan, January 24, 1906.
Miriam Ursula Welles and George Reeves, April 14, 1906.
1904. Alda Holderman Born and Robert Ewer Johnston, October 4, 1905.
Olin Lorraine Browder and Nellie Taylor, June 29, 1905.
Muriel Florence Campbell and William Piatt Buckles, September 7, 1905.
Edna Clarkson and John Campbell Evans, June 20, 1905.
Edw. Chapman Converse and Maude M. McCannon, June 21, 1905.
William George Kaeser and Clara Vogt, September 6, 1905.

- Harry Bertram Kircher and Alice Ayre, 1905.
 Martha Caroline Koehn and Fred C. Hubbard, August 7, 1905.
 Ernest Richard Leverton and Helen Ruth Mandeville, October 10, 1905.
 Albert Edwin Logeman and Mary E. Newman, June 27, 1905.
 Charles Judson Mann and Pearl Wild, November 30, 1905.
 Martha Edith Moles and James H. Fairchild, February 23, 1906.
 Henry Childs Morse and Nell Wolff, October 4, 1905.
 Charles Albert Ocock and Pearl Strickland Kendall, July 12, 1905.
 Ida Pearson and George Elmer Hiner, July 26, 1905.
 Mabel Perry and Dr. Ward J. MacNeal, December 28, 1905.
 Jessie Roy Powell and Bertha Viola Pope, July 5, 1905.
 Guy Henry Rump and Gertrude Slagle, September 10, 1905.
 Arthur Platt Seymour and Anna Wubben, March 14, 1906.
 Joseph Carl Worrell and Elizabeth Mandeville, January 30, 1906.
 1905. Thomas Stanley Bailey and Jane Hoagland, June 13, 1905.
 Willard Jason Bass and Margaret M. Hultgen, November 5, 1905.
 Wilbur Fisk Goodspeed and Grace Maris, February 6, 1906.
 Cleves Harrison Howell and Flora Vimont Hunter, March 27, 1906.
 George Walker Morgan and Mabel Butler.
 John Winthrop Pearson and Elizabeth J. Schukraft, November 21, 1905.
 Hugh Mitchell Price and Marietta Louisa Street, December 28, 1905.
 Hazel Sloan and Philip George Schroeder, November 15, 1905.

Deaths.—

1872. Howard Silver, died in Oklahoma, July 25, 1905.
 1873. Edgar Lewis Hill, died at Elgin, Texas, October 10, 1905.
 1877. Cornelia Broshar, died at Chicago, October 31, 1905.
 Mrs. Velma Skinner Ward, died at Chicago.
 1883. Henry P. Little, drowned (?) near Hoboken, N. J., — 1903.
 1884. James Austin, died at La Crosse, Wis., April 1, 1904.
 1895. John DeWitt Clinton, died at Polo, October 18, 1905.
 1901. Donald Herbert Bailey, died at Rantoul, August 28, 1905.
 1902. Reuben Nelson Kofoid, died at Berkeley, Cal., July 31, 1905.
 1904. Walter Charles Emil Braun, died at Chicago, July 14, 1905.

The Association adjourned to attend the Banquet.

W. L. PILLSBURY,
 Secretary.

OTHER ALUMNI ASSOCIATIONS.

The Secretary is indebted to Mr. Frank W. Scott for the following data with regard to associations of alumni and other students of the University.

Directory of Alumni Associations.

"University of Illinois Alumni of Chicago," organized in 1876 and again in 1884, membership 300.

Pres., Charles B. Gibson.

Vice Pres., Dr. A. R. Kaneman.

Sec'y and Treasurer C. A. Schroeder.

Address, 81 South Clark St., Chicago Ill.

"Puget Sound Association of the Alumni and former students of the University of Illinois," organized in 1891, membership 100.

Pres., Henry Drum, Ex.-'83;

Sec'y and Treas., Miss Cassandra Boggs,

Address, Seattle, Wash.

"University of Illinois Southwestern Alumni Association," organized ———, membership 140.

Pres., Gov. W. J. Bailey;

Vice Pres., A. B. Coulton;

Sec'y and Treas., E. J. Plym.

Address, Kemper Bldg., Kansas City, Mo.

Executive Committee: Mrs. Henry M. Beardsley, Mr. J. M. Kent,

H. L. Nicolet, D. C. Ketcham.

"University of Illinois Club of St. Louis," organized May 30, 1903, membership, ———.

Pres., John A. Ockerson;

Vice Pres., Will A. Reiss, Belleville, Ill;

Sec'y and Treas., Fred S. Hall,

Address, Suite 915 Missouri Trust Bldg., St. Louis, Mo.

Directors: President, Vice President, Secretary and Treasurer,

John H. Frederickson, H. L. Dunlap.

"University of Illinois Club of Rockford, Illinois," organized Feb. 28, 1904, membership 25.

Pres., A. E. Hauter, '03;

Vice Pres., W. W. Bennett, '93;

Sec'y and Treas., Clarence Wallin, Ex.-'05.

Address, 302 West State St., Rockford, Ill.

"University of Illinois Club of the East," organized Dec. 3, 1904, membership 181.

Pres., E. L. Abbott, '83;

Sec'y Paul E. Lodge, '01,

Address Room 308 Park Row Bldg., New York, N. Y.

"The University of Illinois Club of New England," organized Dec. 1904, membership 15.

Pres., W. C. Brenke;

Sec'y Miss L. R. Gibbs,

Address, 26 Shepard St., Cambridge, Mass.

"Tri City Alumni Association," organized March 19, 1905, membership 75.

Pres., H. H. Van Dervoort;

Vice Pres., E. L. Mayall;

Sec'y and Treas., Jos. G. Worker,

Address, Moline, Ill.

"University of Illinois Club of Peoria," organized October, 1905, membership forty to sixty.

Pres., H. W. Lynch;
Vice Pres., C. E. Stone;
Sec'y and Treas., H. D. Kellogg.
Address, Peoria, Ill.

“University of Illinois Alumnae Association of Chicago,” organized
——, membership ——.

Pres., Augusta E. Butts;
Sec'y Ella U. Barber,
Address, 1418 Tribune Bldg., Chicago.

ANNUAL ALUMNI DINNER

ARMORY, HALF-PAST TWELVE O'CLOCK

MENU

OLIVES	PICKLES	SALTED PEANUTS
SLICED TONGUE	BROWN BREAD SANDWICHES	FRUIT PUNCH
VEAL SALAD	PEAS	HOT ROLLS
BRICK ICE CREAM		ASSORTED CAKES
	COFFEE	

TOASTS

TOASTMASTER	JAMES M. WHITE, '90
THE CLASS OF '71	ARTHUR N. TALBOT, '81
UNIVERSITY PUBLICATIONS	T. A. CLARK '90
FRATERNITIES	H. M. STONE, '03
OUR POSITION ON ATHLETICS	F. R. WILEY, '05
THE LITERARY SOCIETIES	CHARLES E. SARGENT, '86
OUR TRUSTEES	ALEXANDER MCLEAN
THE FACULTY	PRESIDENT EDMUND J. JAMES
COLLEGE YELLS	R. C. MATHEWS, '02
A GALAXY OF MEMORIES,	MRS. AMANDA CAMPBELL MOORE, '75

UNIVERSITY OF ILLINOIS

THIRTY-FIFTH

ANNUAL COMMENCEMENT

WEDNESDAY, JUNE 13, 1906

THE ARMORY

PROGRAM

Academic Procession

Scripture and Prayer The Reverend Henry H. Shawhan

Music—Angelus *Massenet*

MILITARY BAND

Address His Excellency Baron Herman von Speck-Sternburg

German Ambassador

Music—Lorelei (Arranged by Parker) . . . Double Quartette

Conferring Degrees The President of the University

Music—Melodie d'Amour *Engelmann*

MILITARY BAND

Benediction

Recessional

MILITARY BAND

DEGREES AND THESES

COLLEGE OF LITERATURE AND ARTS

Bachelor of Arts

(With Thesis)

- MAY ALLINSON.....The Origin of the First Dutch War of the Restoration
 PHILIP STEPHAN BARTO.....The Question of Dramatic Guilt in Hebbel's
 Dramatic Theory and in His Dramas
 HOWARD GRAY BROWNSON...The Development of Public Opinion in Regard
 to the Commerce Clause of the Constitution
 GEORGE CHAPIN.....Social Justification of Advertising
 EDWARD CORRIGAN.....The Development of the Monthly Magazine in the
 United States.
 ROBERT HASKELL KIMBALL...A Statistical Analysis of the Detailed Operat-
 ing Earnings and Expenses of a Railroad
 LOUIS WILLIAM MACK.....History of the Development of the Park Systems
 of the City of Chicago
 RALPH MARBLE PRAY....The Proportion of the Beef Business in the United
 States Controlled by the Beef Trust, and Its Ability to Affect the
 Prices of Beef
 OSCAR JOHN PUTTING.....The Development of the Idea of Negro Suffrage
 ERASMUS EDWARD SMITH.....The Financial Condition of the Beet Sugar
 Industry in the United States

(Without Thesis)

EVA LUELLE ALVERSON
 FRANK G. APPLGATE
 CHARLEY LEHMAN ARCHER
 HELEN MARIE ATKINSON
 ELEANOR MARY BAKER
 EFFIE LUCY BAUER
 ELSIE MARGARET BEAN
 MAY ALICE BEAUFORD
 TIRZAH OZILLA BRADLEY
 MAUDELLE TANNER BROWN

PAUL MANLEY BROWN
 ROY HAMLIN BROWN
 HELEN GORDON BRYAN
 HENRY BUELLESFIELD
 ALICE CAREY
 WILLIAM JOSEPH CAREY
 ALLAN JOHN CARTER
 LORIMER VICTOR CAVINS
 JOHANNA C. M. CHRISTIANSON
 JOHN RUSKIN CLARK

JAMES MANSFIELD CLEARY
 GEORGE FREDERICK CLOSE
 ALICE MAUDE COLE
 SARAH ORVILLA CONARD
 JENNIE ADAH CRAIG
 RALPH RICHARD DAVIS
 JESSIE MAUDE DEPUY
 ORVAL CARL DEPUY
 HOMER HARRY DEWEY
 LOUISE ELIZABETH DEWITT
 LIDA ELIZA DYMOND
 CECIL CLAIRE ERICKSON
 THURLOW GAULT ESSINGTON
 JAMES ALBERT LEROY FAIRCHILD
 JACOB GAMBACH
 MABEL CLARE GARWOOD
 MARY LOUISE GAY
 ELIZABETH GRAFF
 WALTER HERBERT GREGORY
 GRACE EVALYN HALL
 RUBY CLARE HOPKINS
 GUY HUBBART
 NOLAN HINSON HUFF
 LITTA DUSTIN JACKSON
 HERMAN GERLACH JAMES
 JOHN THOMAS JOHNSON
 JEANNETTE KEATOR
 LOUISE MILLICENT KILNER
 WILLIAM GORDON KLINE
 KATHERINE JOAN KOLKER
 CLINTON THOMAS MCCULLY
 MAMIE MINERVA MCINTIRE
 KATE BONNELL MANN
 CHARLES MASON MARSH
 MIMA AGNES MAXEY

ESTHER COOK MOHR
 EDGAR A. MORGAN
 JAMES HARRISON MORTON
 GRACE PEARL MULBERRY
 CLARENCE LEONARD NEU
 MATTIE MAY PAINE
 ANNA ADELIA PALMER
 ROSALIE MARY PARR
 AVIS HORTENSE PERCIVAL
 JAMES ALBERT PORTER
 JESSIE ALEXANDER POWELL
 RUBY BLANCH RISSER
 KATHLEEN ALICE ROBERTS
 MARIAM ELLEN ROBERTS
 CANDACE IONE ROBINSON
 EDITH ROGERS
 BERTHA RUTLEDGE
 PAUL ADYMAN SHILTON
 RUSSELL NELLIS SMITH
 HELEN BROWNELL SMITH
 SABRA ELIZABETH STEVENS
 MYRTLE STRAWN
 ESTELLE THOMPSON
 WILLARD NATHAN TOBIE
 BEN TOMLINSON
 MARY LILLIAN TRIMBLE
 VERA TURELL
 DOLLIE IRENE TURNER
 KARL DOUGLAS WALDO
 MABEL WAMSLEY
 WALTER BAIN WARDER
 ROY FRANKLIN WEBSTER
 MAHALA JANE WHITE
 CHARLES WILLIAM WHITTEN
 XENIA MAY WOOLMAN

In Library Science

AUGUSTA ANDERSON
 FRANK MELVIN BUMSTEAD
 FRANCES MARGUERITE FEIND

AGNES ELAINE NICHOL
 MARY BUTTERS MCLELLAN SNUSHALL
 FLORENCE WARNER

COLLEGE OF SCIENCE

Bachelor of Arts

(With Thesis)

In Chemistry

DAVID KLEIN.....The Vapor Pressure of Aqueous Solutions, by the Air
Bubbling Method

In General Science

LOIS IRENE BURWASH.....Seed Selection According to Specific Gravity

HENRY ELLSWORTH EWING.....Studies on the Acarina of Illinois

MARY JANET LAYCOCK.....The Germination of the Pumpkin Seed

In Physics

JACOB GARRETT KEMP.....Apparatus and Methods for Measuring Electric
Waves

In Six-Year Medical Course

ROSCOE CONKLING MAIN.....The Role of Medullary Cells in the Formation
of the Ventral Roots of Spinal Nerves

(Without Thesis)

In General Science

GRACE JEAN BAIRD

CLARINNE LLEWELLYN

RILEY OREN JOHNSON

MARVIN ARTHUR NICHOLS

MARIAM ELIZABETH LANHAM

EARL QUINTER SNIDER

LENORE LYDIA LATZER

ANNA VAN DEREN WEBB

MARY MARGARET WHEELER

In Household Science

EDNA NOBLE WHITE

In Library Science

LITTA CELIA BANSCHBACH

In Six-Year Medical Course

JOHN CHRISTIAN DALLENBACH

GEORGE THOMPSON JOHNSON

ALBERT MENZO DUNLAP

JOHN WILSON KIRKPATRICK

Bachelor of Science

(With Thesis)

In Chemistry

JESSE MELANGTHON BARNHART...A Study of the Influence of Refrigeration
upon the Composition of Flesh

BRADLEY CHARLES GARDNER.....A New Form of Rotating Cathode for the
Electrodeposition of Metals

FREDERIC WILLIAMS GILL... ..A Determination and Study of the Mineral
Constituents of Flesh

HARRY DAVETT GRIGSBY.....The Reaction between Iodine and Certain Unsaturated Fatty Acids

LOUIS FREDERICK SNOW.....The Electrolytic Reduction of Nitro-Benzene

OSCAR S. WATKINS....A New Gravimetric Method for the Determination of Titanium

In Chemical Engineering

LEASON HEBERLING ADAMS.....The Fractional Coagulation of the Proteids of Lean Beef

HENRY WILLIAM HACHMEISTER.....Chromic Acid as a Solvent for Gold

PAUL EDWARD HOWE.....The Electrolytic Deposition of Brass

DONALD S. MILLER...A Volumetric Method for the Determination of Carbon in Cast Iron

COLLEGE OF ENGINEERING

Bachelor of Science

In Architecture

GEORGE AWSUMB.....A State Capitol

EARL N. DUGAN.....A Dormitory for Students

JOHN EARL HENRY.....A High-School Building

EDITH LEONARD.....A Protestant Episcopal Church

JOSEPH MCCOY.....The Use of Concrete Blocks in Building Construction

EDWARD GEORGE OLDEFEST.....A City Club

CHARLES CLYDE RICH.....A Conservatory of Music

HARRISON FRANKLIN ROBINSON.....Design of a Warehouse in Reinforced Concrete

EDGAR ALBERT STANLEY.....A Municipal Power Plant in a City Park

HELEN JANE VAN METER.....An Apartment House for Faculty Women

LAURANCE EDGAR WILKINSON.....A School of Fine Arts

In Architectural Engineering

WILLIAM EDWARD BROWN.....Economical Design of Steel Fink-Trussed Roofs, 120-foot Span

ROY WARNER FLOWERS.....Economical Design of Overhanging Steel Roof Trusses

BURT A LEWIS.....A Comparison of Built-up and Solid Wooden Beams

RALPH LLEWELYN CORSON.....Tests of Plain and Reinforced Concrete Columns

RALPH CRAIG MITCHELL....Economical Design of Steel Fink-Trussed Roofs, 120-foot Span

ROBERTO SEGUNDO RODRIGUEZ.....Construction of Grain Elevators

In Civil Engineering

CHARLES EDWARD ANDREW.....Tests of Reinforced Concrete Beams; Effect of Repetition of Load

HENRY RICHARD ARMELING.....Tests of Reinforced Concrete Beams; Comparison of Methods of Loading

- JAMES LEO BANNON....Tests of Reinforced Concrete Beam; Effects of Repetition of Load
- ROBERT PAUL BATES.....Study of Concrete Mixers
- DANIEL HARMON BRUSH, JR.....Temperature Variations in Concrete
- CECIL SPENCER BUMANN.....Design for a Three-Hinged Reinforced Concrete Arch
- MONTGOMERY BABCOCK CASE....Tests of Reinforced Concrete Beams; Effect of Retention of Load
- ARTHUR FRANCIS COMSTOCK.....Details of Railroad Truss Bridges
- EVERETT FOSTER DERWENT.....Design for a Steel Dam
- FRED PAUL DILLON.....Caisson Construction for Chicago Buildings
- GEORGE TERRY DONOGHUE.....Foundation Caissons for the Grower Building
- IVAN FREMONT DOUGHTY....Comparisons of the Costs of Coal Mining in Vermilion County, Illinois
- JOEL ERNEST DUNN.....Reclamation of Land by Levying
- WILLIAM HENRY EIKER....Standardization of the Talbot-Jones Brick Rattler
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- NORVAL ENGER....Tests of the Pumps and Wells of the University of Illinois
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- JOHN FUCIK, JR....The Effect of Chemical Composition of Steel Alloys upon Ultimate Strength
- AMBROSE GOULET GRANDPRE.....A Study of Elevated Railroad Structures
- CHARLES ELLIOTT HENDERSONInvestigation of a Steel Highway Bridge
- CLARENCE AVISE HEWES.....Tests of Reinforced Concrete Tee Beams
- FLOYD SINNOCK HEWES.....Tests of Reinforced Concrete Tee Beams
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- JOSEPH NORMAN JENSEN.....Design of a Roundhouse
- MARION REED KAYS.....Salt River Irrigation Project
- EDWARD JOHN MEHREN, A. B., (St. Ignatius College), 1901.....Relation of Speed of Centrifugal Pumps to Height of Lift
- HENRY BECK MYERS.....The Effect of Chemical Composition of Steel Alloys upon Ultimate Strength
- THOMAS ELMER PHIPPS.....Tests of Reinforced Concrete Beams; A Study of Diagonal Tension Failure
- ALOYS PHILIP POIROT ...Design of an Interlocking Plant at Champaign, Illinois
- N RAYMOND PORTERFIELD.....Tests of Capacity of Deep Well Strainers
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- WARD REID ROBINSON.....Entrance Head and Discharge Head in Pipes
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- JULIAN WILLIS STROMBERG.....Concrete Fence Posts
- CLIFFORD BRADLEY SUTTLE.....Details of Railroad Girder Bridges

- MOSES EDGAR THOMAS.....Loss of Hydraulic Head in Small Valves
 GEORGE NOBLE TOOPS.....Investigation of a Steel Railway Viaduct
 SAMUEL HARVEY WEBSTER, A. B., (Waynesburg College), 1893.....Report
 upon a Highway Bridge
 ROBERT HOADLEY WHIPPLE.....Tests of Reinforced Concrete Beams: A
 Study of Diagonal Tension Failure
 EARL BELMONT WOODIN.....Investigation of a Steel Highway Bridge
 THOMAS YATES.....Design for a Subway on University Ave., Champaign
 CHARLES HENRY NICOLET, of the class of 1881

In Electrical Engineering

- THOMAS HAMER AMRINESimultaneous Telephone and Power Trans-
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 PAUL AUGUSTINUS.....Investigation of Phase Relations in Transformer
 Circuits
 JACOB WILLIAM BARDInvestigation of Phase Relations in Transformer
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 HENRY AMOS BERGERT.....Reviews of Hydro-Electric Plant of Rock Island
 Arsenal
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 EDWIN ELLIOTT BULLARD.....Cost of Hauling Express and Freight by
 Electric Locomotives
 LOUIS JAMES BUTZOW.....The New Wagner Single-Phase Motor
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 mission over the same Wire
 DICK HADWIN CORNELL.....Review of Single-Phase Electric Railways
 PAUL JONES CRATTY.....Test of Gould Storage Battery
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 Transformer
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 Champaign Street Railway and Power Plant
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 Railroads
 REUBEN S MARSHALL.....Economic Limit of Curves and Grades of
 Electric Railways

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 MYRON ROY SCHMAHL.....The New Wagner Single-Phase Motor
 HERBERT JOSEPH WEAVER....Efficiency of Operation of Interurban Test-Car
 LAWRENCE FISHER WOOSTER..Efficiency of Operation of Interurban Test-Car
 MILTON RALEIGH WRIGHT.....Test of Gould Storage Battery

In Mechanical Engineering

LEWIS FRANK BACON.....A Report on the Proposed Electrification of the
 Illinois Central Shops at Mattoon, Illinois
 MILES EMILE BAXTER.....Boiler Tests with Illinois Coals
 ALFRED RITTSCHER BENCH.....Test of a DeLaval Turbo-Pump
 CHARLES GUTHRIE BOONE.....Comparative Test of Steam Calorimeters
 WILBUR CHARLES CONE.....Tests of Fan Blowers
 JOHN ISAAC EDWARDS.....Automobile Mufflers
 ROBERT MILLS EVANS.....Tests of Chain Links
 HOWARD BRACE FRANKLIN....The Construction and Testing of a Small Two-
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 JOHN BURR GLASS..Test of the York Ice and Refrigerating Machine
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 VICTOR EMMANUEL HULTEEN.....Constructive Features of the American
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 FRANCIS GUY MOORE.....Erection and Test of the Sayers and Zimmerman
 Steam Engine
 HORACE HEALY MORGAN.....Tests of Several Types of Small Gasoline
 Engines
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 and Gas Engine
 THOMAS PEEBLES.....Reviews and Test of the Naperville, Ill., Electri
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 CURTIS GORDON PEPPER.....Foundry Methods for Cheapening Costs of
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 WILLARD LACY POLLARD.....Application of Koob's Analysis to a Shaft
 Governor
 LOUIS PAUL ROBERT.....Test of a DeLaval Turbo-Pump
 FIELDER SLOCUM.....Road Test of a Vaclain Balanced Compound
 Locomotive
 ALFRED NICHOLAS SOMMER..... Review and Test of the Naperville, Ill.,
 Electric Light Plant
 OSWALD FREDERICK STRAUCH.....Road Test of a Vaclain Balanced
 Compound Locomotive
 RALPH STILLMAN STRONG.....Methods of Determining the Costs of
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HARMON VEEDER SWART.....	Efficiency of Indirect Radiation
ALMON IRA TOWLE.....	Test of the York Ice and Refrigerating Machine
CHARLES ALVA WASHBURN.....	Steel Castings
REGINALD ELLIS WELLS.....	Tests of Automobile Mufflers
LEWIS HUNGERFORD WOOD.....	American Cupola Practice
CHARLES ELLIOTT SARGENT, M. S., (Blackburn University), 1886, of the class of 1886	

In Municipal and Sanitary Engineering.

ASA BRYANT CUTLER.....	The Design and Operation of an Experimental Sand Filter and an Experimental Mechanical Filter
DOUGLAS BASIL ADAIR GRAHAM.....	The Design and Operation of an Experimental Sand Filter and an Experimental Mechanical Filter
HERBERT EMIL HAASE	The Distribution of Water in Reservoirs by Means of Orifices
LESTER EDWARD REIN.....	Automatic Siphonic Apparatus as Used in Sewerage Systems and in Sewage Purification Plants
WILIS APPLEFORD SLATER...	Stresses in Concrete Pipes due to External Pressure

In Railway Engineering

HENRY HUDSON HOOK.....	Dynamometer Car Tests 1905-1906
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COLLEGE OF AGRICULTURE

Bachelor of Science

(Without Theses)

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IRA DENT ALLISON.....	Heavy, Medium and Light Grain Rations for Fattening Lambs
FRANK D BALDWIN.....	The Relation of Moisture to the Organic Matter Content of Soils
DANIEL OTIS BARTO.....	Agriculture in Its Relations to the Common Schools
JAMES ACKERMAN BUSH.....	A Study of Certain Soils from the Panhandle of Texas
WALTER CASTELLA COFFEY....	Age and Weight as Factors in Lamb Feeding
FRANCIS ELLERY DEASON.....	Classification of Wheat Varieties
EDWIN BEALE DORAN.....	The Effect of Organic Matter upon the Absorption and Retention of Water in Soils
ALBERT FRANKLIN KIDDER.....	The Effect of the Different Forms of Nitrogen Fertilizers upon the Nitrogen Content of Clover and Cowpeas

- ROY HAROLD LONG.....Varieties of Strawberries for a Select Market
 EDWIN THOMAS MEHARRY.....A Study of Plant Food in Relation to Grain
 Farming in Central Illinois
 LEON RUSSELL MELVIN.....Comparison of Methods of Feeding Fattening
 Lambs
 WILLIAM RICKETTS SHINN.....Thinning Orchard Fruits

(Without Theses)

In Agriculture

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|--------------------|-------------------------|
| JOHN PADDEN DYSART | EDWARD ALEXANDER PORTER |
| LEONARD HEGNAUER | ALFRED GLAZE SMITH |

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In Household Science

- | | |
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| LYDA BOND | DAISY MARY MILLER |

COLLEGE OF LAW

Bachelor of Laws

- | | |
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| OLIN LORRAINE BROWDER | EDWARD LEON MCCONAUGHY |
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| SHERMAN DEWITT FAIRCHILD | CHESTER WILLIAM RICHARDS |
| JOHN HALBERT GALEENER | ROBERT RODMAN |
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| JOHN SAMUEL KENDALL | LLOYD VERNON WALCOTT, A.B. 1903 |
| HOWARD ELIHU KIMMEL | FRANCIS RUDOLPH WILEY, A.B., 1904 |

STATE LIBRARY SCHOOL

Bachelor of Library Science

(With Thesis)

- LILY GRAY, A. B., (University of Chicago), 1876.....Glossary of Terms for a
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(Without Thesis)

MARIAN CINDERELLA BELL, A. B.,
(University of Nebraska), 1904
FLORENCE BAXTER CURRIE
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ELIZABETH FORREST

MRS. IDA ANGELINE KIDDER, A. B.,
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GRADUATE SCHOOL

Architectural Engineer

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Civil Engineer

In Civil Engineering

CHARLES WESLEY MALCOLM, B.S., 1902.....Text-Book on Graphic Statics
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Master of Arts

In Botany

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In Physics

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 WALDEMAR MATTHAEUS STEMPEL, A.B., (Indiana University), 1905The Distribution of Magnetism in a Steel Wire Subjected to a Varying Field along its Length

In Zoology

- JOHN PHILO GILBERT, A.B. 1905.....Embryological Studies on Hemiptera
 i. Development and Morphology of the Mouth Parts

Mechanical Engineer

In Mechanical Engineering

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 HARVEY ALLEN SOVERHILL, B.S., 1900....The Use of Alcohol in Internal Combustion Engines

Master of Science

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 HENRY WILLIAM GELLER, A.B., (Michigan Agricultural College), 1904..The Effect of Different Kinds of Organic Matter upon the Productive Capacity of the Soil
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Doctor of Philosophy

In Chemistry

MELVILLE AMASA SCOVELL, M.S., 1878....The Salicylic Modification for Determining Nitrogen by the Kjeldahl Method

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 James Leo Bannon.....Joliet
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 Ralph Elvin Barickman.....Streator
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 Susan Jessie Barr.....Urbana
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 Asa Bryant Cutler.....Rockford
 John Christian Dallenbach.....Champaign
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- Francis Ellery Deason..... Murphysboro
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 Orval Carl DePuy..... Urbana
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 Homer Harry Dewey..... Henry
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 Don John Charles Drew..... Watseka
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 Joel Ernest Dunn..... Fordyce
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 Lida Eliza Dymond..... Chicago
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 Elizabeth Forrest..... Chicago
 Howard Brace Franklin..... Chicago
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 John Fucik, Jr..... Chicago
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 Jacob Gambach..... Hecker
 Bradley Charles Gardner..... Chicago
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 Mary Louise Gay..... Rockport
 Frederick William Gill..... Rock City Falls, N. Y.
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 Joseph Hinkley Gordon, A.M., 1901..... Vandalia
 Elizabeth Graff..... Champaign
 Douglas Basil Adair Graham..... Riverside
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 Chicago
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 John Earl Henry..... Tippecanoe City, O.
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 Floyd Sinnock Hewes..... Quincy
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 George Clinton Hillyer..... Rushville
 Leigh Patridge Hoff..... Chicago Heights
 Charles Ludwig Holl..... Streator
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 Guy Hubbard..... Philo
 Nolan Hynson Huff..... Rushville
 Victor Emanuel Hulteen..... Buda
 Litta Dustin Jackson..... Clinton, Ia.
 Noah Henning Jacobsen..... Urbana
 Herman Gerloch James..... Urbana
 Leonard Vaughan James..... Amboy
 Roy Edward Jens..... Rock Island
 Joseph Norman Jensen..... Chicago
 George Thompson Johnson..... Champaign
 John Thomas Johnson..... Urbana
 Riley Oren Johnson..... Hindsboro
 Walter John Kanne..... Waterville, Minn.
 Marion Reed Kays..... Phoenix, Ariz.
 Jeannette Keator..... Polo
 Jacob Garret Kemp..... Baltimore, Md.
 John Samuel Kendall..... Cobden
 Albert Franklin Kidder..... Farmington
 Mrs. Ida Angeline Kidder, A.B., 1905..... Chicago
 Louise Millicent Kilner..... Chicago
 Robert Haskell Kimball..... Rockford
 Howard Elihu Kimmel..... Du Quoin
 John Wilson Kirkpatrick..... Urbana
 David Klein..... Chicago
 William Gordon Kline..... Amboy
 Earl John Knight..... Beardstown
 Katherine Joan Kolker..... Quincy
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 Charles Andrew Larson..... Paxton
 Lenore Lydia Latzer..... Highland
 Mary Janet Laycock..... Waverly
 Edith Leonard..... Urbana
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 Lucy Mae Lewis..... Pomona, Cal.
 Charles Edwin Little..... Sycamore
 Clarinne Llewellyn..... La Grange
 Ralph Corson Llewellyn..... La Grange
 Winnie Alice Logan..... Edinburg
 Roy Harold Long..... Lexington
 Walter Sim McClurg..... Urbana
 Edward Leon McConaughy..... Rochelle
 Evert Bruce McCormick..... Champaign
 Charles Brooks McCoy..... Marengo
 Joseph McCoy..... Lafayette, Ind.
 Clinton Thomas McCully..... Champaign

Mamie Minerva McIntire..... Urbana
 Louis William Mack..... Chicago
 Roscoe Conkling Main..... Pittsfield
 Kate Bonnell Mann..... Muskegon, Mich.
 Charles Mason Marsh..... Upper Alton
 Reuben S Marshall..... Mt. Morris
 Mima Agnes Maxey..... Carlyle
 Stoy Jackson Maxwell..... Robinson
 Edwin Thomas Meharry..... Tolono
 Edward John Mehren, A. B., (*St. Ignatius
 College.*), 1901..... Chicago
 Josephine Augusta Meissner..... York, Neb.
 Leon Russell Melvin..... Greenfield
 Daisy Mary Miller..... Urbana
 Donald S Miller..... Geneva
 Roy Craig Mitchell..... Fairfield, Ia.
 Esther Cook Mohr..... Dwight
 Francis Guy Moore..... Bloomington
 Edgar A Morgan..... Jewett
 Horace Healy Morgan..... Loda
 James Harrison Morton..... Kewanee
 Grace Pearl Mulberry..... Taylorville
 Henry Beck Myers..... Springfield
 Clarence Leonard Neu,..... Chicago
 Agnes Elaine Nichols..... Urbana
 Marvin Arthur Nichols..... Yorkville
 Harry George Dallas Nutting... Rock Island
 Edward George Oldefest..... Moline
 Mattie May Paine..... Rosemond
 Ann Adelia Palmer..... Monticello
 Rosalie Mary Parr..... Mapeyton
 Thomas Peebles..... Naperville
 Curtis Gordon Pepper..... Champaign
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 Thomas Elmer Phipps..... Jamesville
 Aloys Phillip Poirot..... Belleville
 Willard Lacy Pollard..... Monmouth
 James Albert Porter..... Arcola
 Edward Alexander Porter..... Mokense
 N Raymond Porterfield..... Fairmount
 Royal Elmer Post..... Rochester, N. Y.
 Jessie Alexander Powell..... Corydon, Ky.
 Ralph Marble Pray..... Chicago
 John Walter Preihs..... Sandoval
 Oscar John Putting..... Springfield
 Charles Edward Rapp..... Jacksonville
 Lester Edward Rein..... Chicago
 Charles Clyde Rich..... Washington
 Chester William Richards..... Urbana
 Ruby Blanche Risser..... Blandinsville
 Louis Paul Robert..... Lacon
 Kathleen Alice Roberts..... Champaign
 Mariam Ellen Roberts..... Ottawa
 Candace Ione Robinson..... Granville
 Harrison Franklin Robinson..... Mattoon
 Ward Reid Robinson..... Springfield
 Robert Rodman..... Hoopeston
 Roberto Segundo Rodriguez, Saltillo, Mexico
 Edith Rogers..... Windsor
 Bertha Rutledge..... LeRoy

George Webster Saathoff..... Litchfield
 Edwin William Sanford..... Moline
 Myron Roy Schmahl..... Aurora
 Julius Ernest Schoeller..... Chicago
 Charles Reinhart Schulte..... Vandalia
 Norman Edward Seavert..... Chicago
 Paul Adyman Shilton..... Kewanee
 William Ricketts Shinn..... Mattoon
 Emanuel Christopher Sigler..... Champaign
 Willis Appleford Slater..... Polo
 Fielder Slocum..... Urbana
 Alfred Glaze Smith..... Champaign
 Erasmus Edward Smith..... Modena
 Helen Brownell Smith..... Chicago
 John Stevenson Seymour Smith..... Urbana
 Russell Nellis Smith..... Abingdon
 Earl Quinter Snider..... Urbana
 Louis Frederick Snow..... Chadwick
 Mrs. Mary Butters McLellan Snushall
 Hyde Park, Mass.
 Alfred Sommer..... Chicago
 Edgar Albert Stanley..... Ashtabula, Ohio
 William Harrison Stelle..... McLeansboro
 Sabra Elizabeth Stevens..... Mahomet
 Oswald Frederick Strauch..... Chadwick
 Myrtle Strawn..... Albion
 Julian Willis Stromberg..... Chicago
 Ralph Stillman Strong..... Chicago
 Clifford Bradley Suttle..... Kenney
 Harmon Veeder Swart..... Kewanee
 Thomas Varance Taylor, Jr..... Urbana
 Moses Edgar Thomas..... Homer
 Estelle Thompson..... Findlay
 Rev. Willard Nathan Tobie..... Urbana
 Ben Tomlinson..... Champaign
 George Noble Toops..... Champaign
 Almon Ira Towle..... Peoria
 Mary Lillian Trimble..... Champaign
 Vera Turell..... Champaign
 Dollie Irene Turner..... Urbana
 Helen Jane Van Meter..... Urbana
 Ed Owen Wagoner..... Champaign
 Lloyd Vernon Walcott, A. B., 1903... Urbana
 Karl Douglas Waldo..... Rockford
 Mabel Wamsley..... Mattoon
 Walter Bain Warder..... Cairo
 Florence Warner..... Prophetstown
 Charles Alva Wasburn..... Fairmount
 Oscar S Watkins..... Danville
 Herbert Joseph Weaver..... Oak Park
 Anna Van Deren Webb..... Charleston
 Roy Franklin Webster..... Nokomis
 Samuel Harvey Webster, A. B., (*Waynesburg
 College.*), 1893..... Rutan, Pa.
 Leila Maude Wellepp..... Cisco
 Reginald Ellis Wells..... Champaign
 Mary Margaret Wheeler..... Grant Park
 Robert Hoadley Whipple..... Rockford
 Edna Noble White..... Fairmount
 Mahala Jane White..... Charleston

Charles William Whitten.....Urbana
 Francis Rudolph Wiley, A. B., 1904. Sullivan
 Laurance Egar Wilkinson.....Champaign
 Leonard E. Wise.....Cerro Gordo
 Lewis Hungerford Wood.....Oak Park
 Earle Belmont Woodin.....St. Joseph

Xenia May Woolman.....Urbana
 Lawrence Fisher Wooster.....Litchfield
 Milton Raleigh Wright....New London, Wis.
 Ola May Wyeth, A. B., (*Cornell Univ.*), 1904
 Charleston
 Thomas Yates.....Chicago

COLLEGE OF MEDICINE

Degree of Doctor of Medicine and Surgery

Degrees Conferred June, 1906 in Chicago

Effie Louise Abbott
 Alma Saraphia Anderson
 Howard Andrews
 Charles Ballance, Jr.
 Fred Thornton Barrett
 Frederick Bauer
 Benjamin Barker Beeson
 Iver Simeon Benson
 Lester Jarvis Benson
 Frank Homer Bent
 Simon Berglund, A. B.
 David Boal
 John Jay Bock
 Fred Brown Bogardus, M. D.
 Jesse Clark Bowen
 Loetta Beamer Bowles
 William Townzen Bowman, Ph. G.
 Frank Llewellyn Bowsher
 Ernest Franklin Brewer
 Jesse Edward Brosseau, Ph. G., B. S.
 Harry Stafford Brown
 Matthew William Brucker
 Edward James Buchan
 Addison Bybee
 Henry Ferrell Carman
 William Frederick Cathcart
 Edward Harry Clark
 Charles Clinton Clement, A. B.
 Hyman Cohen
 S. Rachel Merrill Cooper, M. D.
 William Joseph S. Cremin, Ph. G.
 Albert Joseph Croft
 John James Cronin, A. B.
 Edwin Cutler
 Robert Anthony Davis, Ph. G.
 Russell Newton Davis, B. S., A. B.
 Fred Girard Dewey
 William Byrne Dougherty, A. B.
 James Henry Duguid
 Georgiana Margaret Dvorak
 John Harold Edgecomb
 Samuel M. Edison
 J. James Egan
 Leo Victor Fairhall

Harry DeWitt Fast
 Jesse Peter Feagler
 Thomas J. Fenton
 Ernest Orion Finney
 Albert Michael Fischer
 Robert Emmett Flannery
 Helen B. Flynn
 Samuel Fomon
 Ernest J. Ford, A. B.
 Jacob Milton Furstman
 Edward Andrew Glenn
 Harry G. Grable
 John Leon Grove
 Oscar E. Grua
 Ernest Clarke Gwinn
 Albert William Hæffner
 William Howard Halsey
 Clarence Earl Hamel
 Walter Donald Hammond, M. D.
 William Benjamin Hanelin
 Homer Benton Harper
 Chester E. Harris, A. M.
 Louis J. Harris
 Ray Rhinaldo Harris
 Dorsey A. Harwood
 Lena Hatfield, A. B.
 Jessie Hattendorf
 Oscar Hawkinson
 Karl Lowell Hayes, B. S.
 Alvin George Helwig
 Clarence Henderson
 John Madison Hench
 Thomas La Fayette Higginbotham
 Armina Sears Hill
 John Claude Hollis
 Ralph Randall Homes, A. M.
 Enos Musser Hoover
 Emmett Eugene Horn
 Walter Booth Hotchkiss, M. D.
 Charles Earl Howard
 John Martin Jacobs, Jr.
 Charles Augustus Jackson
 Edwin Jerome Kauffman
 Samuel Alvin Keller

Frank Clair Kennelley
 George John Kleinschmidt
 T. Gaillard Knappenberger
 Edwin Winslow Knowles
 John Albert Konzelman
 Harry A Kraus
 Arthur H. R. Krueger
 Henry Lang
 George Lucene Langworthy
 John Fonrose Lawson
 Frank Joseph Lexa
 Elias Homer Loofborrow, B. S.
 Martin Girard Luken
 George Benjamin Lutyens, B. S.
 Duffield Dufferin MacGillivray
 George Albert McLane
 Lachlan MacMillan
 Ray James McMurray
 Thomas Francis Maher
 Leo Cassius Miller
 Noble William Miller
 William John Moldenhauer
 Ralph Vernon Moore
 Louise Morrow
 Alfred Henry Movius, Ph. G.
 Bernard E. Murphy
 Dudley Ellis Murray
 Edward Ellis Nathan, M. D.
 Charlotte Alden Nathanson
 Joseph Lawrence Nathanson
 Elbert Ferguson Nebeker, Ph. G.
 Frank Nee
 Floyd Wilmuth Newell
 David Caneen Northcross
 Benjamin Sol Novashelsky
 John Patrick O'Connell
 Thomas J. O'Leary
 Alfred Louis Olson
 John Patrick O'Neil
 William Edward O'Neil, A. B.
 George Robert Osborn
 Samuel J. Park
 Irving Wheeler Parsons
 Benjamin Frederic Peisch
 LeRoy S. Peters
 Martin David Ephraim Peterson
 Herbert LeRoy Pettit
 William Benjamin Pickrell, M. D.
 Joseph Cooper Pierce
 Herbert Henry Pillinger
 Harry Blaine Pinkerton, M. D.
 Henry Robert Pitz
 Lewis John Pollock
 George Sumner Provine
 Ray Ethelbert Pryor, M. D.
 Emil Arthur Rach
 Alfred d'Almedia Rego
 Oscar Reiss
 Merton Henry Rice
 Edward Thomas Richard, M. D.
 Joy Ricketts

Miles David Ridle, B. S.
 William Alvah Ridley
 Annie Frances Ries
 Frederick W. Rinkenberger
 Charles Elbert Robb
 Samuel M. Robin
 Joseph Rose
 Louis Rosenzweig
 George William Ross
 Robert Malcolm Ross, A. B.
 John Frederick Wilken Rost
 Anthony Kazis Rutkauskas
 Richard Sigmund Hau Salomon
 Nels O. Sandven
 Charles Frank Schaffarzick, Ph. G.
 Lawrence Maurice Schmidt
 George Henry Schroeder
 Mary Schwartz
 Reinhard Fredrick Schwartz
 Herber J. Sears
 William Valentine Secker
 Edward Gerald Sepple
 Frank Leslie Sharrer
 Hargus Gerald Shelly
 W. Bert Siders
 Jay Claude Simmons
 Charles Kenneth Smith
 Harvey LeRoy Smith
 William Lesser Smith
 Alfred Renhardt Sorenson, A. B.
 Alphonso Perry Standard, A. B.
 Fred Warner Stevens
 Andrew Willis Stevenson
 Alfred Jesse Stewart, M. D.
 French F. Stone
 Gerhardus J. Stuart, A. B.
 Katherine Cecil Stull
 William Eben Sunderland
 Robert Norris Swindle
 Aloysius Szopinski
 Frank John Theobald
 Harry V. Thomas
 Orris Martin Thompson
 C. Homer Tillotson
 Frank Marshall Trout, M. D.
 J. Howard VanNess, M. D.
 Noble VanZant
 Frederick Johannes Wagner
 William Alexander Walters, B. S.
 Rachel A. Watkins
 William Butler West
 Frederick William Wichmann
 Albert Michael Wickstrom
 Frank Paul Winkler
 Richard Frederick Winsor
 William Walter Wood
 Maurice Welsh Woodhull
 George Woodnick
 Bert Leslie Taylor Woods
 Gilbert Haven Wynekopp, B. S.
 Rebecca Miriam Yampolsky

SCHOOL OF PHARMACY

Graduates in Pharmacy

Degrees Conferred April 25, 1906, in Chicago

Albert G. C. Ackerman	Frank Fred Krueger
Amilio Alfaro	Henry John Krueger
Walter Edward Anderson	John Ernest Lattz
Ethelyn Belle Arnold	William John Leiner
Allen Beckett	Edward Albert Lukasek
Earle Scott Bourne	Hugh McCaslin
Charles William Boyce	Charles Gratiano McDow
Frank Emery Bucklin	Don Grover Machenheimer
Henry Gottfrid Carlson	R. Frank Mayfield
Daniel Tappenden Cropp	Walter Simonds Mayhew
Gustav Garfield Dale	Frederick M. F. Meixer
Charles Demes	Elmer Joseph Merell
Leonard Berry Fox	Walter Allen Murray
Narcys George Fry	John Kumlar Parker
Charles Desire Gauthier	James Patejdl
Ernest Elmer Grebel	Rolf Reite
Wilbur Grimes	John William Robinson
Loren Milton Hæselør	Hugo Julius Schumm
George Fred Haffner	George William Seifried
John Ross Hall	Paul Seyfert
William Milton Eugene Hawk	Otto Shatzkis
Charles Edward Hoffman	Luther Lee Taylor
David Lewis Holland	Charles Venn
James Michael Honsik	Harvey Andrew Watson
Louis Goodman Jacobs	George Edwin White
Delbert Gustav Knoblock	John Peter Wiltgen

SCHOOL OF DENTISTRY

Doctor of Dental Surgery

Degrees Conferred April 25, 1906, in Chicago

Mose Frank Bloomenstiel	Louis Miller
Elizabeth Neil Brady, M. D.	John Ole Mortenson
Benjamin Joseph Bronstein	Ralph Rogers Mundell
Floyd Ellis Clinite	Theodore Martin Nelson
Guy Thomas Coleman, M. D.	Joseph Henry Plummer
Charles Garfield Cree	Gustaf Alwin Preusker
Earl Hartland Danforth	John Albert Rockefeller
Louis Bernard Desser	William Joseph Rogers
John Helmer Dyblie	Walter Henry Shaffer
Herman Henry Ertel	Everett Lee Simmons
Joseph Clark Frey	Carl George Stocker
Walter William Gill	Elmer Eugene Taylor
Otto W. Helmick	William Thompson
Walter Horace Holden	William Bradford Tym
James Abram Jent	Valerian Julian Vita
Orrion Frederic Landon	Thomas Raymond Walker
Frank Lotreck	Glenn Burrows Waterman
Robb Lyle Marquis	Wallace Alexander Wimmer
Clark Willard Marsh	Chester Allen Worthington
Clarence Joseph Mason	Sam Lester Worthington
Hugo Charles Mauermann	James Alexander Wright
Clarence B. Meek	

UNIVERSITY OF ILLINOIS

DEGREES

1. IN THE COLLEGE OF LITERATURE AND ARTS the degree of Bachelor of Arts, A. B., in four-year courses as follows:

1. The ancient classical languages.
2. English literature and language, including rhetoric.
3. The Romanic languages—French, Italian, and Spanish.
4. The Germanic languages—German, Scandinavian, and Danish.
5. The political and social sciences, including history, economics, sociology, anthropology, and science of government.

The work in economics is so developed and arranged that taken in combination with other subjects it furnishes:

6. Courses of training for business.
7. Philosophical subjects, including philosophy, mathematics, psychology, education, and ethics.
8. Courses in Library Science, consisting of three years' College work, and the first year in the School of Library Science.

2. IN THE COLLEGE OF ENGINEERING the degrees of Bachelor of Science, B. S., in four-year courses as follows: (1) In Architecture (2) in Architectural Engineering, (3) in Civil Engineering, (4) in Electrical Engineering, (5) in Mechanical Engineering, (6) in Municipal and Sanitary Engineering, (7) in Railway Engineering.

3. IN THE COLLEGE OF SCIENCE the degree of Bachelor of Arts, A. B., (in special cases the degree of Bachelor of Science, (B. S.), in four-year courses, as follows: (1) Chemistry, (2) General science, (3) Household Science, (4) Mathematics, (5) Education, (6) Physics, (7) Preliminary to Medicine, (8) Library Science, (9) Ceramics.

4. IN THE COLLEGE OF AGRICULTURE the degree of Bachelor of Science, B. S., in four-year courses, distributed in departments of—(1) Agronomy, (2) Animal Husbandry, (3) Dairy Husbandry, (4) Horticulture, (5) Household Science, (6) Veterinary Science

5. IN THE COLLEGE OF LAW the degree of Bachelor of Laws, LL.B., in a three-year course in law.

6. IN THE COLLEGE OF MEDICINE, College of Physicians and Surgeons, Chicago, the degree of Doctor of Medicine, M. D., in a four-year course in medicine and surgery.

7. IN THE COLLEGE OF DENTISTRY, the degree of Dental Surgery in a three-year course in dentistry.

8. IN THE SCHOOL OF LIBRARY SCIENCE the degree of Bachelor of Library Science, B.L.S., in a five-year course.

9. IN THE SCHOOL OF MUSIC the degree of Bachelor of Music, B.M., in four-year courses in vocal and instrumental music.

10. IN THE SCHOOL OF PHARMACY, Chicago College of Pharmacy, the degree of Graduate in Pharmacy, Ph. G., in a two-year course, and that of Pharmaceutical Chemist, Ph. C., in a three-year course, in Pharmacy.

11. IN THE GRADUATE SCHOOL the master's degree after the Bachelor's degree for one year of graduate work in arts, science, architecture, and agriculture; the degree of Civil Engineer, C. E., Electrical Engineer, E. E., and Mechanical Engineer, M. E., after that of B.S., for one year of graduate work in the respective engineering courses; and the degree of Doctor of Philosophy, Ph.D., for three years of graduate work leading thereto.

12. THE SCHOOL OF EDUCATION, closely allied with the College of Literature and Arts and of Science.

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